The Telephone.
Functionel and Easy to Use.

Deutsche Telekom

Introduction

By opting for telephone, you have selected an individually adaptable cordless telephone with a wide choice of practical user facilities.

This User Guide is designed to help you make the most of your telephone.

Whether you use your telephon for private or business use, it offers

- excellent quality of speech thanks to digital technology,
- even greater mobility and a greater range/availability:
  - greater mobility by simply expanding with additional handsets, with no major installation effort involved.
    You can operate up to 6 handsets on one base station, with the possibility of making a free internal call between two handsets and, at the same time, an external call from another handset.
  - a greater range by expanding with an additional telephone radio relay involved a minimum of installation work.
  - greater availability
    A handset can be operated on up to 4 base stations.
- the wide range of other user facilities you would expect from a cordless telephone.

To enable you to phone from your telephone, you should first read at least the sections listed below and follow the operating instructions given there:

- Key to controls
- Setting up and putting into service
- Incoming calls
- Outgoing calls
- During a call.

You can use two different four-digit PINs to protect your telephone against

- unauthorised modification of the system-specific settings (system PIN)
  and
- unauthorised modification of the handset-specific settings (device PIN).

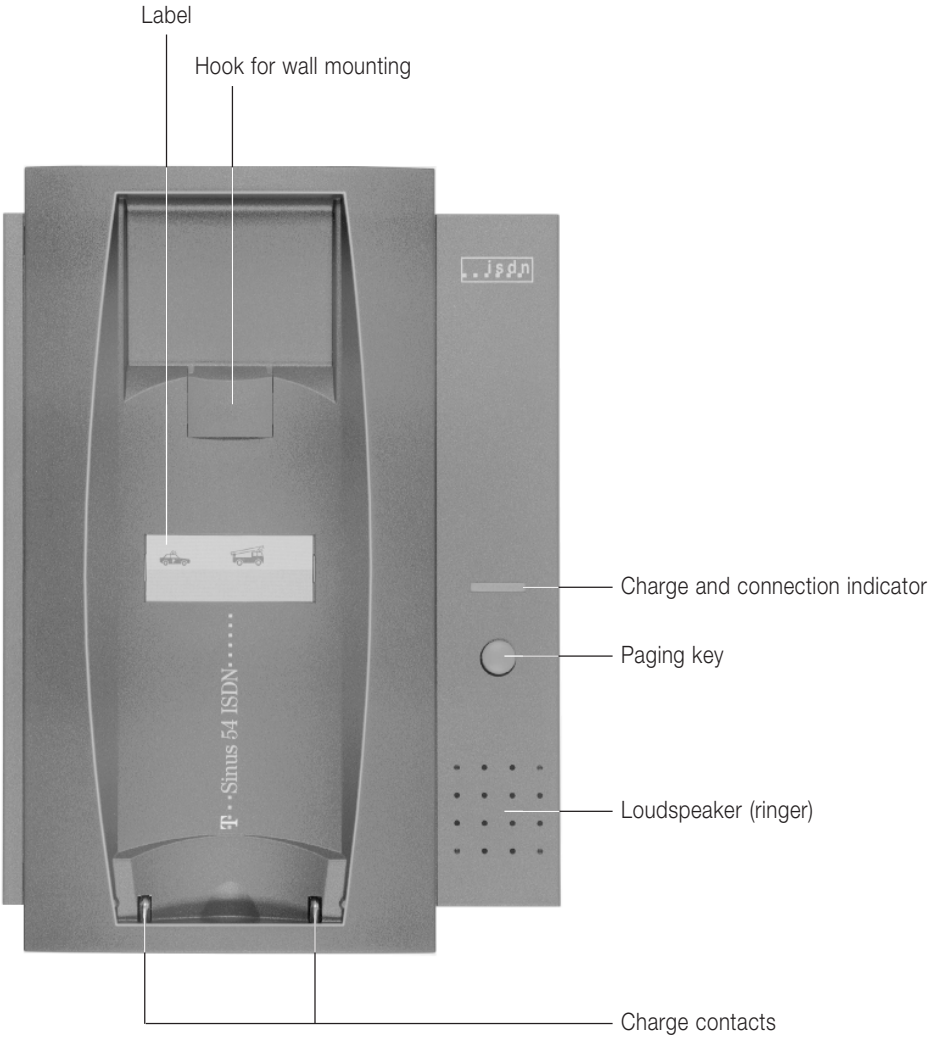
These PINs are factory set to "0000". The protection functions become effective as soon as you replace the corresponding "0000" setting with your personal digit sequence "XXXX".

Take a moment to try out all the different functions on your telephone; this will enable you to get to know and benefit from its wide range of user facilities.

Additional handsets, charging stations, battery cells and radio relays are available from Deutsche Telekom.

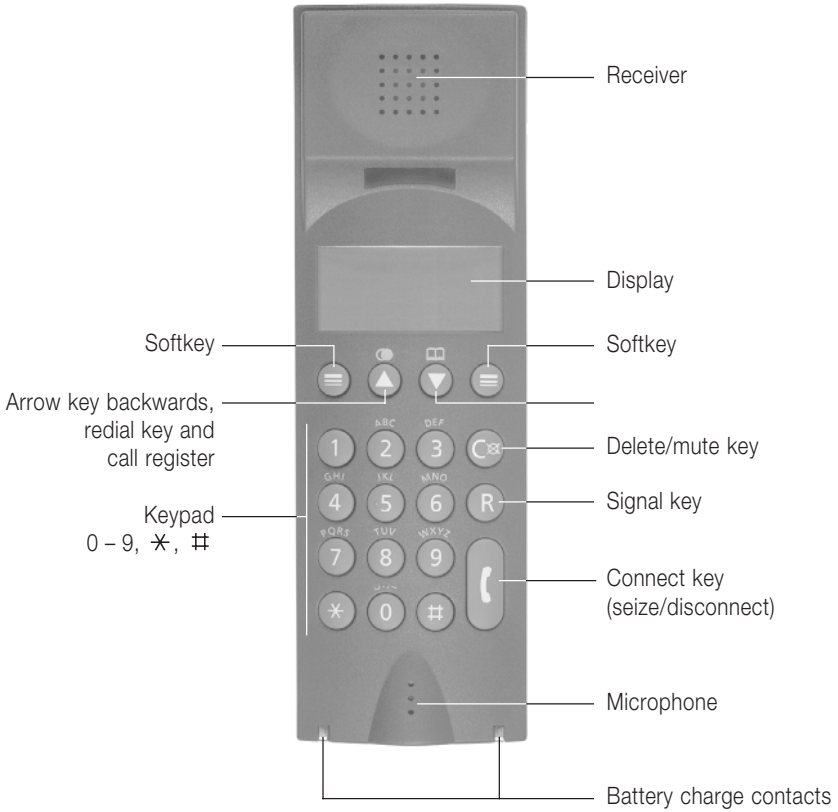
Explanations

Base station



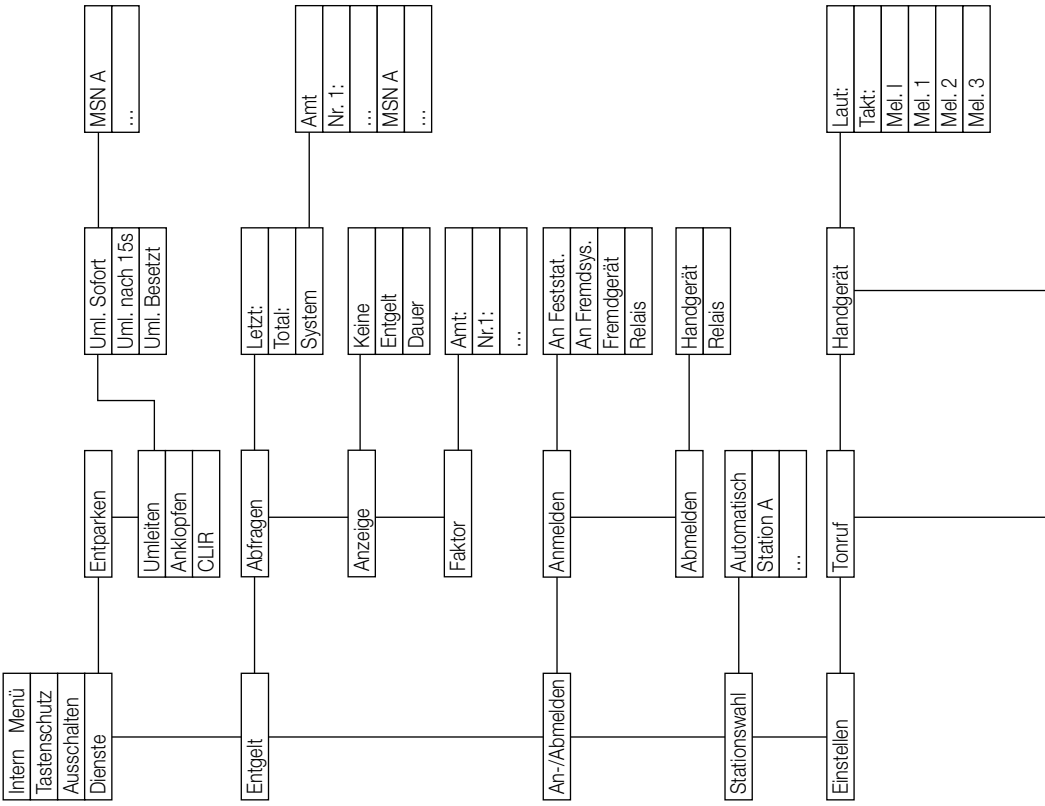
Explanations

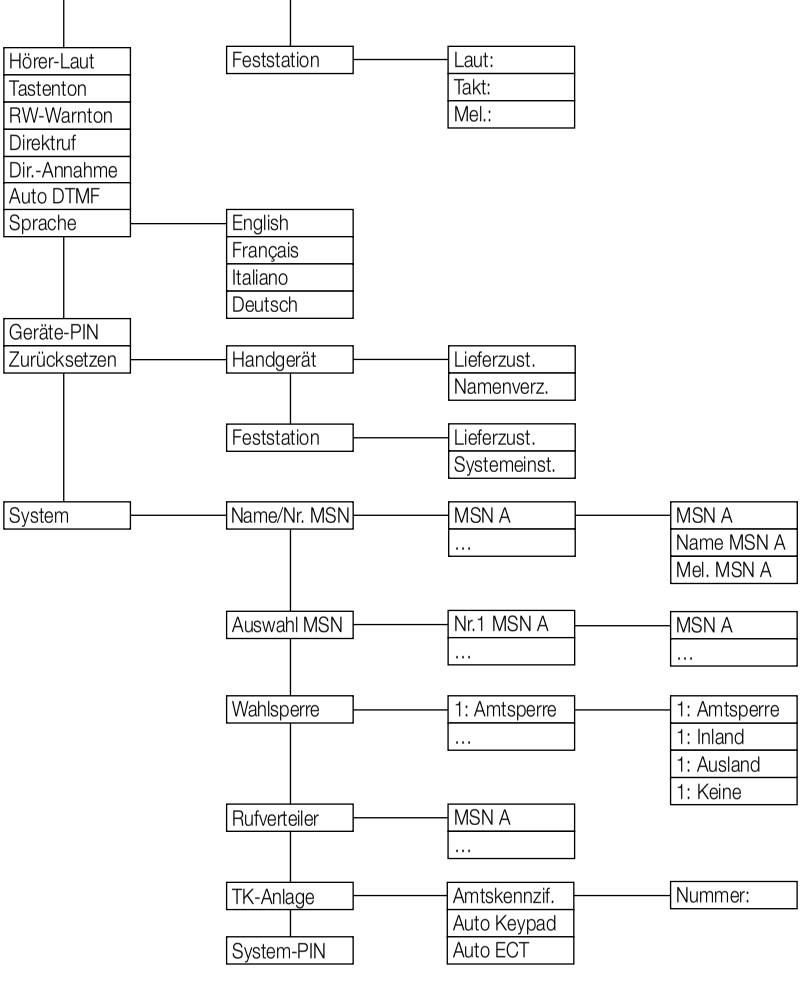
Handset



Der Menübaum

Im Ein-Zustand

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Tastenton
RW-Warnton
Direktruf
Dir.-Annahme
Auto DTMF
Sprache
Feststation
Laut:
Takt:
Mel.:
English
Français
Italiano
Deutsch
Geräte-PIN
Zurücksetzen
Handgerät
Lieferzust.
Namenverz.
Feststation
Lieferzust.
Systemeinst.
System
Name/Nr. MSN
MSN A
...
MSN A
Name MSN A
Mel. MSN A
Auswahl MSN
Nr.1 MSN A
...
MSN A
...
Wahlsperre
1: Amtsperre
...
1: Amtsperre
1: Inland
1: Ausland
1: Keine
Rufverteiler
MSN A
...
TK-Anlage
Amtskennzif.
Auto Keypad
Auto ECT
Nummer:
System-PIN

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Notes

Safety notes

- **Warning**
  Only use approved nickel-cadmium (NiCd) batteries.
  The handset battery compartment contains the corresponding warning notes.

  The telephone is supplied complete with two rechargeable NiCd batteries, type AA (mignon cells). Only NiCd batteries of the following types are approved for use as replacement or spare batteries:
  – RC 6/600 from Saft
  – P/60 AA from Panasonic
  – R6 NC-P from Philips
  – AA 600 F from Furukawa

Replacement or spare battery cells as well as charging stations are supplied by Deutsche Telekom.

- Using other battery cell types or non-rechargeable batteries/primary cells can be dangerous and also lead to malfunctions and/or damage to the set.
- Understandably, Deutsche Telekom AG cannot assume any liability in such cases.
- Make sure the battery cells are fitted correctly.
- Do not dip the battery cells in water; do not throw into the fire.
- Battery cells become warm when being charged; this is a normal and harmless process.
- Do not use third-party charging stations as they may damage the battery cells.
- Only use the enclosed SNG 2 power supply unit for the base station.

Important notes on the use of battery cells

To ensure your battery cells have a long service life, please follow the following principles:

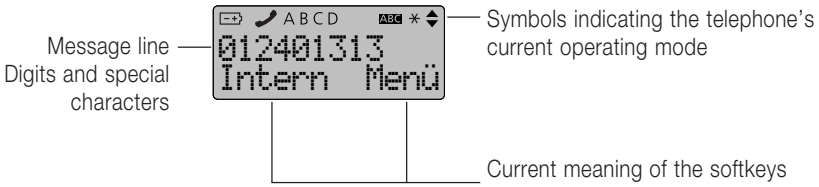
- The battery cells must be charged without interruption for at least 10 hours prior to the initial commissioning.
- It takes several days for the battery cells to reach their full capacity and therefore their full "stand-by and talk time".
- Make sure the charging contacts do not come into contact with metallic or greasy parts.

If the telephone is not used over a longer period of time with the power switched off (e.g. during holiday periods), the handset (i.e. the battery cells) must be charged before switching the telephone back on.

Please dispose of any defective battery cells in the proper manner **(not in domestic waste).**

Key to controls

Display: characters and symbols



Battery indicator

- When permanently lit, the telephone is ready to operate
- Flashes approx. 10 minutes before the battery cells go flat
- No indication: telephone switched off or battery cells flat

Connection indicator

- When permanently lit, there is a radio connection between the handset and the base station
- Flashes while the call is being set up

A B C D

Indicates the base station on which the handset is being operated (operation with several base stations)

- When permanently lit, the handset is within range of a base station. Incoming and outgoing calls are possible.
- Flashes when a base station is being searched. Incoming and outgoing calls are not possible.

ABC

Signals letter input

ndicates a temporary switchover in dialling method

Indicates that a choice of other menus is available

Key to controls

Keypad

With the numeric keys you can use the characters printed above the keys for letter input (phone book) as well as the functions marked on the keys themselves.

Softkeys – Left and right softkey.
The function of each softkey is indicated on the bottom line of the display.

Arrow key backwards – "Scroll backwards" through the menu, phone book, last number redial memory, call list, etc.

Last number redia – Press briefly and repeatedly in the idle state: calls up the last five numbers dialled.

– Maintain key pressed in the idle state: access to the call list (CLIP); then press briefly and repeatedly: calls up the last 5 caller entries.

Arrow key forwards – "Scroll forwards" through the menu, phone book, last number redial memory, call list, etc.

Phone book – Access to the phone book

Delete key – During a call:
Mutes the microphone

– During digit or letter input:
Short press: clears the last character
Long press: clears the entire line

Signal key – Signal key function (Flash) in connection with a telephone system

Connect key
- Seizes and terminates the connection
- Switches on the handset
- Aborts a programming session

Numeric key 1 – Number 1

Numeric key 2
- Number 2
- Letter input: A B C

umeric key 3
- Number 3
- Letter input: D E F

Numeric key 4
- Number 4
- Letter input: G H I

Numeric key 5
- Number 5
- Letter input: J K L

Numeric key 6
- Number 6
- Letter input: M N O

Numeric key 7
- Number 7
- Letter input: P Q R S

Numeric key 8 – Number 8
– Letter input: T U V

Numeric key 9 – Number 9
– Letter input: W X Y Z

Numeric key 0 – Number 0
– Character input: ␣ . , –

Star key – Can be used for various special functions

Hash key – Can be used for various special functions

Setting up and putting into service

What's included in the delivery package

Included in telephone package you will find the following:

- Base station
- Handset
- 2 battery cells
- Plug-in mains unit
- Connecting cord
- User Guide incl. Quick Reference User Guide
- Clip
- Drilling template
- Bag with two screws and two plugs for mounting the base station to the wall

Default settings

The Configuration section will tell you how to customise telephone.

The most commonly used functions on your telephone have been preset by the manufacturers **(Default Settings)** so that you can start using the telephone as soon as the batteries have been charged:

- Offhook answering: off
- Talk time display: off
- Units/amount display: on
- Calling Line Identification Restriction (CLIR): off
- Call waiting: on
- Language: English
- Handset/system PIN: 0000
- Handset:
  - Handset has subscribed with the base station (intern 1)
  - No barring, no direct call (emergency call) activated
  - Exchange line activated
  - Handset volume: normal (off)
  - Key-click activated
  - Range warning tone deactivated
  - Station selection automatic
  - Ringer volume level "4"
  - Ringer tone sequence level "4"
  - All MSN to digit 1
    Digit 1: melody 1
    Digit 2: melody 2
    Digit 3: melody 3
    Intern: melody 5
- Base station:
  - Ringer volume level "3"
  - Ringer tone sequence level "4"
  - Ringer melody level "1"

You are free to reprogram any of these default settings to suit your personal requirements and local supply conditions.

Setting up and putting into service

Installation location/Range

Installation location

Do not position the base station in the immediate vicinity of other electronic appliances such as hifi equipment, office equipment or microwave ovens; this will prevent any mutual interference. Also avoid installing the base station in the vicinity of heat sources, such as radiators or in direct sunlight. For the best possible range we recommend a central installation location at the centre of your radius of action. Avoid installation in niches, small rooms and behind steel doors. To prevent radio feedback in other telephones, we recommend the largest possible distance (min. 1 m) between the base station or handset and the other telephone.

Setting up your telephone

Your telephone is designed to be used under normal operating conditions. Modern furniture is treated with an endless variety of lacquer and plastic coatings, and looked after with a wide range of polishes and finish preservatives. Therefore, it cannot be excluded that some of these substances may contain agents which will attack or deform the plastic feet of the base station. If the equipment feet are chemically altered in this way, they may leave unsightly marks on the surface of furniture. Deutsche Telekom AG cannot accept any liability for damage of this kind. We recommend that you use a non-slip underlay for your telephone, especially on new furniture or furniture treated with lacquer-based preservatives.

Range

The radio range is approx. 300 m in the open. Ambient conditions can affect the range, as can room and building-related factors. The effective range is lower inside buildings than outdoors. Silent zones can occur due to the digital transmission in the frequency range used - and also within the range, depending on the structural environment. In such cases the transmission quality can be affected by repeated, short call interruptions. Normal call quality can be restored simply by moving slightly out of the silent zone.

Listening protection

telephone transmits the voice data between base station and handset in cryptologically enciphered form (scrambling). As a result the tapping of your calls by other cordless telephones, radio receivers, scanners, etc., is excluded.

Note for hearing-aid users

Before using the telephone, hearing-aid users should be aware that radio signals interfere with hearing aids and can cause an unpleasant humming noise if sufficiently loud.

Important information

Whenever you make a telephone call, the handset and base station are connected with each other via an enciphered radio channel. This means that no other cordless telephone can either make calls at your expense or listen in to your telephone calls.

Setting up and putting into service

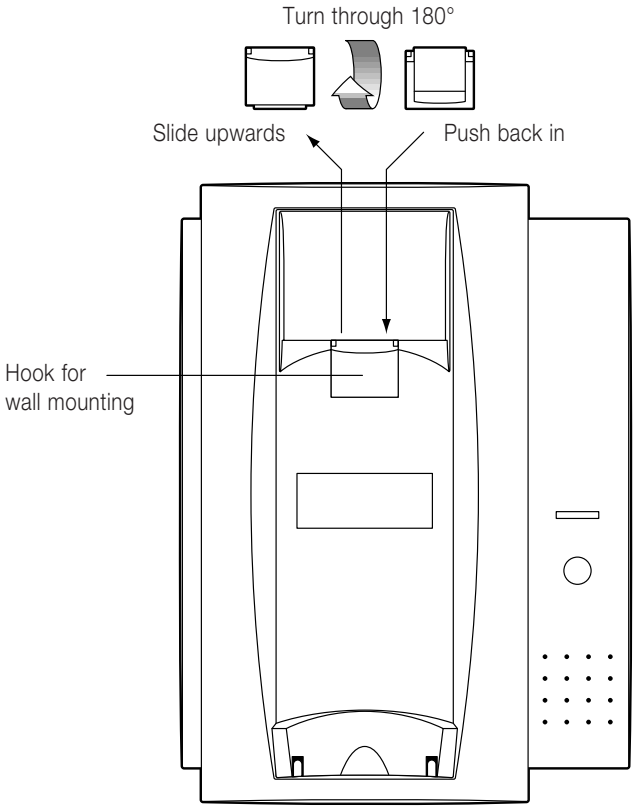
Desktop or wall-mounted, as you wish

Desktop version

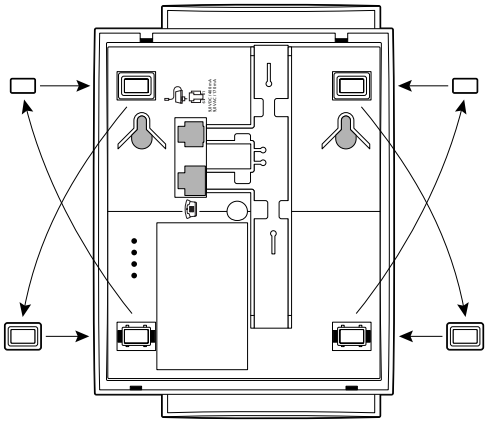
The simplest option is to use telephone as a desktop unit. Simply set up the telephone where you want it and connect.

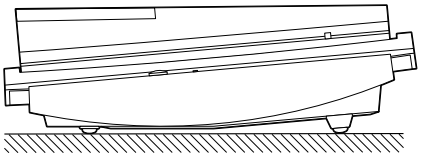
Wall-mounted version

Turn the wall-mounting hook through 180° so that the handset can be suspended on the base station (see Figure below). Swap the foot props around with the rubber feet on the back of the base station so that the Telephonecan be secured vertically to the wall (see Figure on page 12). The drilling templates supplied will help you to mount your telephone correctly.

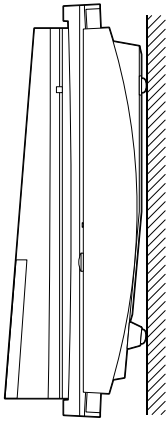


Setting up and putting into service





Desktop



Wall

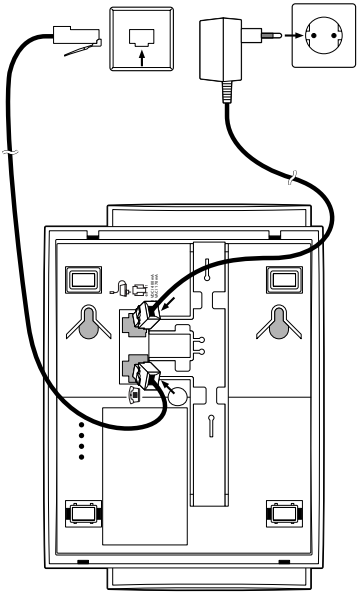
Setting up and putting into service

Connecting the base station

Just a few small tasks are required for you to use your telephone.

Connecting cord

The connecting cord has two plugs of different lengths. Insert the shorter one into the socket underneath your telephone until it is firmly connected. This socket is identified by a small telephone symbol. Feed the cord through the moulded cable duct provided. Connect the RJ-45 plug into your telephone socket.



Mains unit cable

Fit the plug from the mains unit cable (until it clicks into place) into the socket identified with the mains unit symbol, then feed the cable through the moulded cable duct provided. Next plug the plug-in mains unit into a 220/230 V socket.

Note:

- Your telephone will not function if the mains unit is not plugged in or if the power supply fails.
- The telephone may only be used in conjunction with an SNG 2 af mains unit, tested in compliance with EN60950 Protection Class 2.
- Make sure you do not confuse the plugs on the connecting cord and the mains unit on the base station. Not only will the base station not function if the plugs are incorrectly fitted, but it may also be damaged.

Disconnecting the base station connecting cables

First unplug the mains unit from the 220/230 V supply. To release the plugs on the connecting cables, press the snap-in clip towards the plug body (using a small screwdriver for instance) and, at the same time, pull the plug out by the cable.

Fitting the write-on label

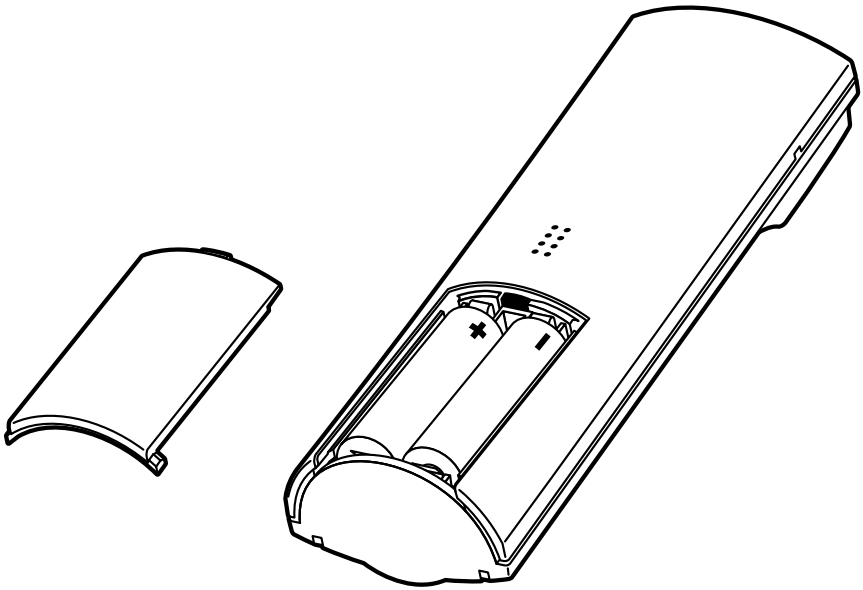
After adding your local data, position the label in the space provided and clip the transparent plastic cover into place over it.

Setting up and putting into service

Inserting and charging the battery cells in the handset

Inserting the battery cells

1. Place the handset in front of you. To remove the battery compartment cover, press it lightly and slide it downwards.
2. Insert the 2 battery cells into the battery compartment (as shown): Make sure the polarity is correct; it is indicated on the battery compartment.
3. Slide the battery compartment cover back over the battery cells and close the compartment. You will hear the cover snap into place.



Setting up and putting into service

Charging the battery cells

IThe battery cells are not charged when supplied. To charge the batteries, you need to place the handset on to the charging bracket of the base station. If the luminous display (green LED) on the base station

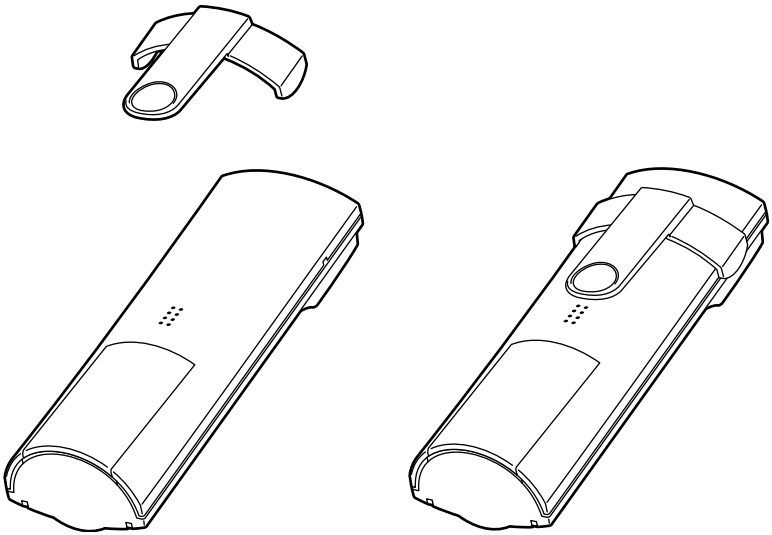
- is flashing = batteries are being charged
- is steadily lit = batteries are charged

A single battery charge is sufficient for approx. 40 hours in "stand-by" mode or approx. 5 hours in "talk" mode.
The charging time takes approx. 5 hours.

Note:
- Do not use batteries/primary cells, only NiCd battery cells. Observe the "Important Notes" on Page 4.

Fitting the clip to the handset

Fit the supplied clip to the back of the handset with the clamp facing downwards. There are two small holes down the sides at the level of the receiver. Place the clip on one of the holes and snap it into place in the opposite hole.

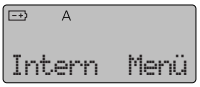


Basic settings

Handset: ON, OFF, Lock state

You can switch your handset to one of three states:

1. On state
   The handset automatically switches itself to the ON state when you insert its battery cells. It signals incoming calls, which you can answer by pressing the Connect key. Outgoing calls are also enabled.



2. OFF state
   In this state, your handset is switched off. Incoming calls are not signalled. Outgoing calls are not enabled.

3. Lock state
   (to protect against accidentally pressing the keys when carrying the handset) Incoming calls are signalled and can be answered by pressing the Connect key. Your handset remains active in the ON state for the duration of the call.
   Outgoing calls are not enabled, i.e. to make a call you need to switch the handset from Lock to ON.

Switching back to the ON state

If you are in the menu, the handset automatically switches back to the ON state if you do not press any of its keys for 20 seconds (key input).

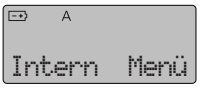
Basic settings

Handset: Switching between states

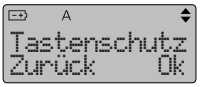
Handset switched to ON:

To switch the handset
– to the OFF state

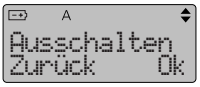
Press "Menu" softkey



Press repeatedly until "Switch off" appears

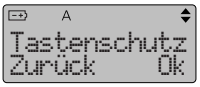


Press "Ok" softkey
Handset is now switched off



– to the Lock state

Press "Menu" softkey



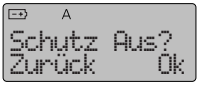
Press "Ok" softkey

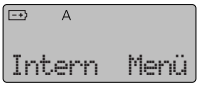
Handset switched to Lock:

To switch the handset
– to the ON state

Press "→Off" softkey

Press "Ok" softkey

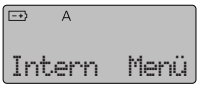




Handset switched to OFF:

To switch the handset
– to the ON state

Press the Connect key

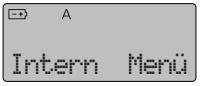


Basic settings

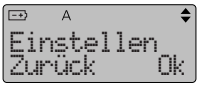
Programming the subscriber number (MSN = Multiple Subscriber Number)

It is important that you enter in your telephone one of the telephone numbers you have been allocated by Deutsche Telekom. You can assign up to 5 different subscriber numbers (MSN, A, B, C, D or E). This allows you for example to separate calls according to private and business. A different melody will ring depending on the telephone number dialled. Further on you can allocate a freely definable text to each MSN, which is then displayed when you receive a call. (See "Answering a call".)

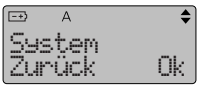
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears

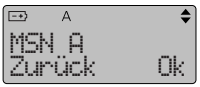


Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



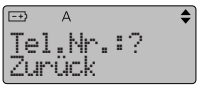
Press "Ok" softkey, then press arrow keys repeatedly until "Name/Nr. MSN" appears

Press "Ok" softkey, then press arrow keys repeatedly until the corresponding MSN appears



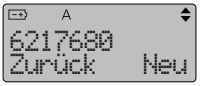
Press "Ok" softkey. If an MSN has already been entered, it will appear now

Press "New" softkey

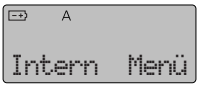


Key in one of allocated telephone numbers

Press "Ok" softkey.
The MSN is now stored



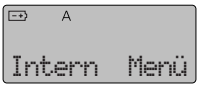
Press "Back" softkey five times...



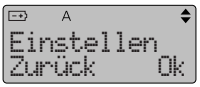
Basic settings

Programming the name for MSN

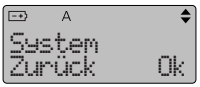
Handset switched to ON



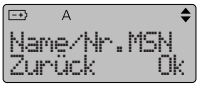
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



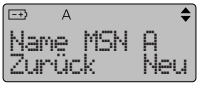
Press "Ok" softkey, then press arrow keys repeatedly until "Name/Nr. MSN" appears



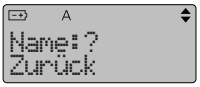
Press "Ok" softkey, then press arrow keys repeatedly until the corresponding MSN appears

Press "Ok" softkey. If an MSN has already been entered, it will appear now

Press arrow keys repeatedly until "Name MSN A" appears. If a name has already been entered, it will appear now



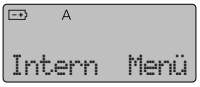
Press "New" softkey



Key in the relevant name (key in the letters, see "About the phone book")

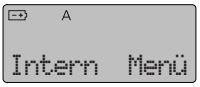
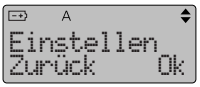
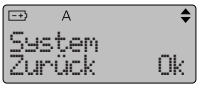
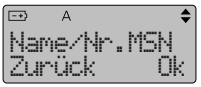
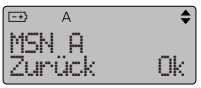
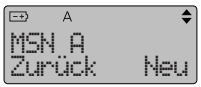
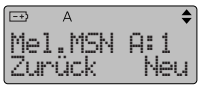
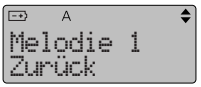
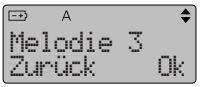
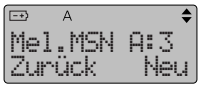
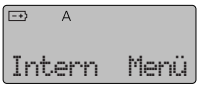
Press "Ok" softkey

Press "Back" softkey five times...



Basic settings

Programming digit for MSN-specific melody

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "System" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until the corresponding MSN appears	
	Press "Ok" softkey. If an MSN has already been entered, it will appear now	
	Softtaste "Ok" drücken. Falls bereits eine MSN eingegeben wurde, wird diese angezeigt	
	Press arrow keys repeatedly until "Mel. MSN A:1" appears. If a name has already been entered, it will appear now	
	Press "New" softkey	
	Press arrow keys to select the melody digit you want	
	Press "Ok" softkey	
	Press "Back" softkey five times...	

Note:

- The base station ringer cannot be set specifically for each MSN. If several handsets with different MSN are operated on a base station, we recommend that you switch off the base station ringer (see page 64).

Basic settings

Personal Identification Number (PIN)

Your personal settings on the telephone can be protected in part by using two different, four-digit PINs.

The system PIN is required if you want to protect the system settings

- Call barring
- Units/amount display
- Log on/log off
- Resetting the base station to the default settings
- Resetting the system settings (call distribution and call barring)
- MSN configuration
- Direct call
- Call diversion
- Select MSN
- Call distribution
- System secret number

against unauthorised access.

With the handset PIN you can protect your telephone against

- unauthorised resetting of the name directory
- unauthorised resetting to the default settings
- handset secret number

geschützt werden.

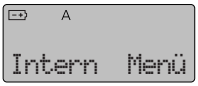
In the default settings the handset PIN and system PIN are set to "0000", i.e. the PIN function is deactivated. The protect function is activated when you replace the "0000" number with your own personal digit sequence "XXXX".

Note: • **If you forget the system PIN, you will have to call out the Telekom Customer Service at your expense to intervene on the telephone. Forgetting the system PIN is like losing a key.**

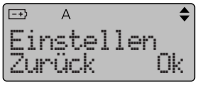
Basic settings

Entering a new system PIN

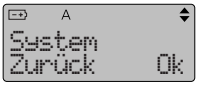
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



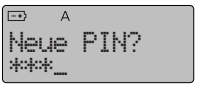
Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



Press "Ok" softkey, then press arrow keys repeatedly until "System-PIN" appears

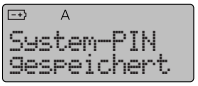
Press "Ok" softkey

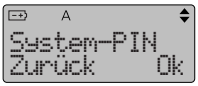
Enter the new system PIN (four digits)
A "" appears on the display for every digit you enter.*



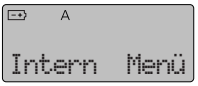
Repeat the new system PIN

The new PIN is now stored





Press "Back" softkey three times...



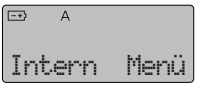
Note:

- To deactivate the PIN function, simply replace your personal digit sequence "XXXX" with "0000".
- If a system PIN already exists, the handset will prompt you for your old PIN before the new one can be entered.

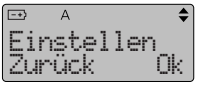
Basic settings

Entering a new handset PIN

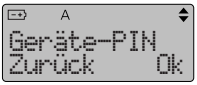
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "Device-PIN" appears

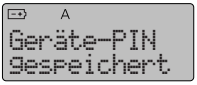


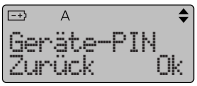
Press "Ok" softkey

Enter the new device PIN (four digits)
A "" appears on the display for every digit you enter.*

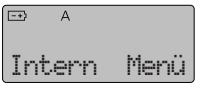
Repeat the new device PIN

The new PIN is now stored





Press "Back" softkey twice...



Note:

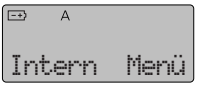
- To deactivate the PIN function, simply replace your personal digit sequence "XXXX" with "0000".
- If a device PIN already exists, the handset will prompt you for your old PIN before the new one can be entered.

Basic settings

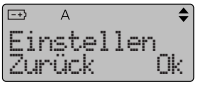
Setting the handset volume

You can increase the call volume inside the handset to hear your call partner more clearly.

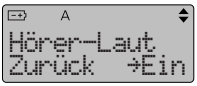
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears

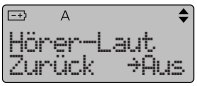


Press “Ok” softkey, then press arrow keys repeatedly until “Handset Vol.” appears.
The inactive setting appears.



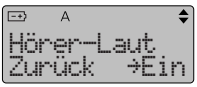
To switch on the handset volume:

Press "→On" softkey.
The handset volume is increased.

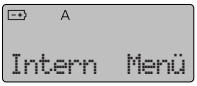


or
To switch off the handset volume:

Press "→Off" softkey
The handset volume is set back to normal.



Press "Back" softkey twice…



Note:

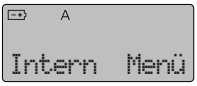
- The handset volume can also be altered temporarily in the talk mode (see page 35).

Basic settings

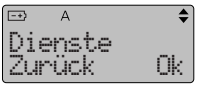
Activating/deactivating call waiting

You are making an (internal or outside) call and receive an outside call at the same time. The outside call is signalled to you by a call waiting tone, which you can switch on or off for each handset.

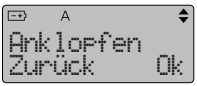
Handset switched to ON



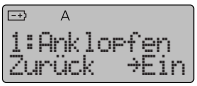
Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears



Press "Ok" softkey, then press arrow keys repeatedly until "Call Waiting" appears.



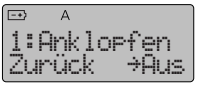
Press "Ok" softkey



Press arrow keys until the handset you want appears

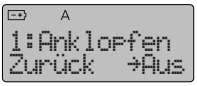
Activating call waiting:

Press "→On" softkey.

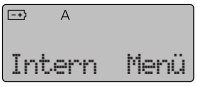


Deactivating call waiting:

Press "→Off" softkey



Press "Back" softkey three times...

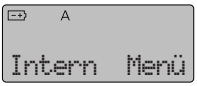


Basic settings

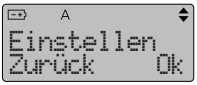
Setting the language for the menu prompting

You can set different languages for the display menu prompting. German is set as the default language.

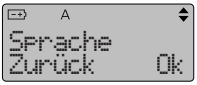
Handset switched to ON.



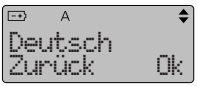
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears.



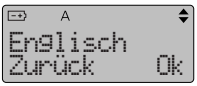
Press "Menu" softkey, then press arrow keys repeatedly until "Language" appears.



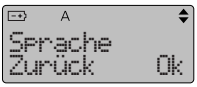
Press "Ok" softkey.



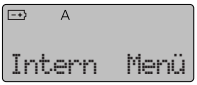
Press arrow keys repeatedly until the language you want appears, e.g. "English".



Press "Ok" softkey.
The language is set.



Press "Back" softkey twice...



Incoming calls

Answering a call

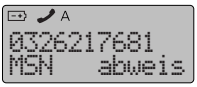
Even before you answer a call, your telephone provides you with a certain amount of information on the following points:

Who's calling? The display indicates the caller's number. If the caller's number is listed in your name directory, the caller's name will be displayed directly. You will also be informed accordingly if the caller has activated his Calling Line Identification Restriction (CLIR).

Who is the call for? The display will show the name you have defined for that particular multiple number (see "Programming the name for MSN").

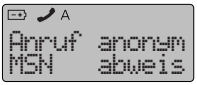
The handset and base station both ring.

The connection indicators on the base station and on the handset start flashing. The caller's number is displayed.

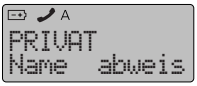


If the number is listed in your phone book, the corresponding name will be displayed.

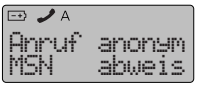
If the caller has activated his Calling Line Identification Restriction (CLIR), you will obtain the following display.



Press "MSN" softkey. The name of the multiple number dialled appears on the display.



Press "Name" softkey. The information on the caller appears again.



Incoming calls

Answering a call

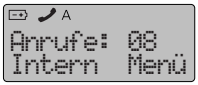
The handset and base station signal a call

Press the Connect key

Make the call...

Ending a call

Press the Connect key



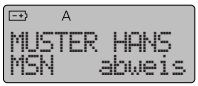
or

Put the handset back on the base station.

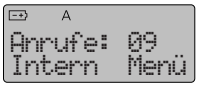
Rejecting a call

You do not want to answer an incoming outside call on your handset and reject it, e.g. if another handset is to answer the call.

The handset and base station signal a call



Press "Reject" softkey.
The ringer on the handset is switched off. The ringing tone continues to ring on the other handsets.

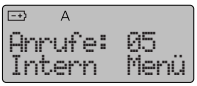


Incoming calls

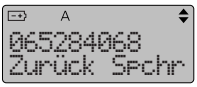
Call register

The last 10 calls are recorded in the call register of your telephone. Repeat calls from the same source are listed only once.

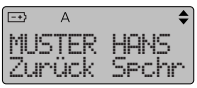
You have received 5 calls.



Press the redial key for approx. 1 second.
The last call is displayed.



You can now use the arrow keys to "scroll" through the call list. The name appears if entered in the phone book.



Note:

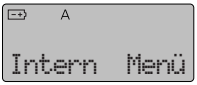
- After you have pressed the call register key you can redial other digits manually or correct them with the Delete key.
- You can dial numbers directly from the call register. The number is then deleted from the call register but contained in the redial memory.
- The call number stored in the call register is deleted when the handset is switched off or the batteries are changed.
- When "scrolling" through the call register you can use the "Save" softkey to store a call number directly in the phone book.

Incoming calls

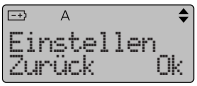
Offhook answering

The offhook answering facility enables you to take incoming calls directly, simply by lifting the handset from the base station (without having to press the Connect key).

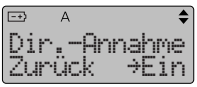
Handset switched to ON.



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears.

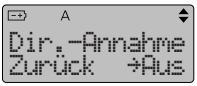


Press "Ok" softkey, then press arrow keys repeatedly until "Offhook Ans." appears.
The inactive setting is displayed.



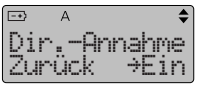
Activating offhook answering:

Press "→On" softkey.
Offhook answering is now activated.

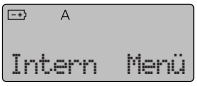


or
Deactivating offhook answering:

Press "→Off" softkey.
Offhook answering is deactivated again.



Press "Back" softkey twice...



Outgoing calls

Selecting the multiple subscriber number

Your Telephoneallows you to define the multiple subscriber number via which an outgoing call is to be made. This gives you the following opportunities:

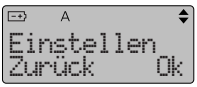
Charges incurred are allocated to the corresponding multiple subscriber numbers.
This provides you for example with a separate list of private and business calls.

The call partner you call can determine the identity of the caller unequivocally.

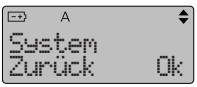
The MSN can be selected specifically for each handset.

Handset switched to ON.

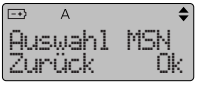
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



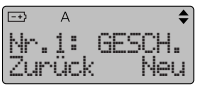
Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



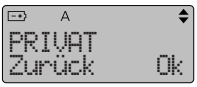
Press "Ok" softkey, then press arrow keys repeatedly until "Select MSN" appears



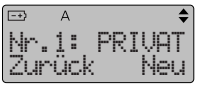
Press "Ok" softkey, then press arrow keys repeatedly until the handset of your choice appears



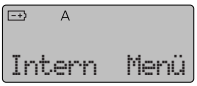
Press "New" softkey, the press arrow keys repeatedly until the MSN of your choice appears.



Press "Ok" softkey
The new MSN is now set



Press "Back" softkey four times…



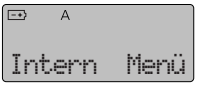
Note: • f you do not program a name for the MSN, the number will be displayed instead.

Outgoing calls

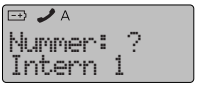
Selecting a temporary multiple subscriber number

IYour telephone also allows you to select a multiple subscriber number only temporarily, i.e. for the subsequent outgoing call.

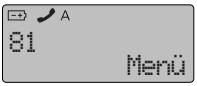
Handset switched to ON



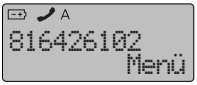
Press “Intern” softkey



Enter the corresponding number
80 for MSN A
81 for MSN B£
82 for MSN C
83 for MSN D
84 for MSN E



Dial the subscriber number you want



Note:

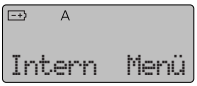
- The subscriber number can also be dialled from the phone book.
- A number dialled in this way is not stored in the redial.
- For temporary MSN selection from the phone book, see page 37/39.

Outgoing calls

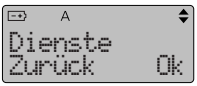
Calling Line Identification Restriction

Your Telephoneallows you to suppress the display of your own multiple subscriber number on the called party's set when making an outgoing call. As a result your multiple subscriber number is not displayed to the called party. CLIR can be activated and deactivated specifically for each handset.

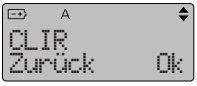
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.



Press "Ok" softkey, then press arrow keys repeatedly until "CLIR" appears.



Press "Ok" softkey.

Press arrow keys until the handset you want appears.

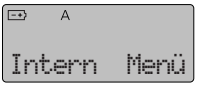
Activating CLIR:

Press "→On" softkey.

Deactivating CLIR:

Press "→Off" softkey

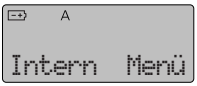
Press "Back" softkey three times...



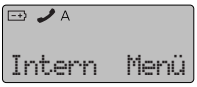
Outgoing calls

Dialling from the numeric keypad

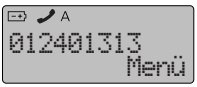
Handset switched to ON



Press the Connect key.
You will hear the dial tone.



Key in the subscriber number you want
The number is dialled.
You will hear the ringing tone.
The called party answers.



You make your call...

Ending a call

Press the Connect key

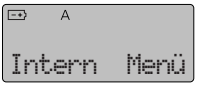
or

Replace the handset on the base station.

Off-line call preparation

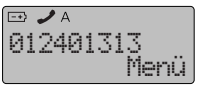
You can also key in the subscriber number (max. 22 characters), check it and correct if necessary with the Delete key (C), and only then dial the number.

Handset switched to ON.



Key in the subscriber number.

Press the Connect key within 20 seconds.
The number is dialled.



You make your call...

Note:

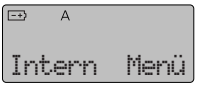
- Off-line call preparation is also possible with last number redial, the call list and the phone book.

Outgoing calls

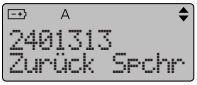
Last number redial

Your Telephonestores the five last numbers dialled. You now want to redial one of those numbers.

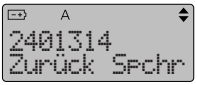
Handset switched to ON



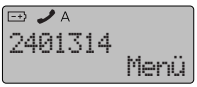
Press the Redial key.
The number last dialled appears.



Press the arrow keys repeatedly until the number you want appears.



Press the Connect key.
You hear the dial tone.



You make your call...

Note:

- Once you have pressed the Redial key, you can still key in other digits manually or correct them with the Delete key.
- The call number stored in the redial is deleted when the handset is switched off or the batteries are changed.
- When "scrolling" through the redial memory you can use the "Save" softkey to store a subscriber number directly in the phone book (see page 38)

Enhanced-convenience dialling

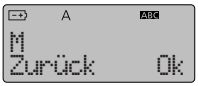
About the phone book

You can save 40 telephone numbers (max. 22 digit positions) with name (max. 12 character positions) in your phone book. The handset automatically sorts your inputs alphabetically. The numeric keys are automatically switched over to alpha characters for entering and calling up the names.

Text is entered as described in the following example.

To write out the name Meier:

MNO 6 — Press numeric key 6 (MNO) once.
The next input position flashes.



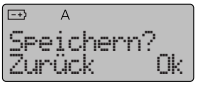
DEF 3 — Press numeric key 3 (DEF) twice in quick succession. The letter "D" was displayed after you pressed the key the first time.
The next input position flashes.

GHI 4 — Press numeric key 4 (GHI) three times in quick succession. *The letters "G/H" were displayed in succession after you pressed the key the first time. The next input position flashes.*

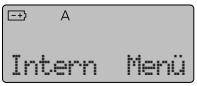
DEF 3 — Press numeric key 3 (DEF) twice in quick succession. *The letter "D" was displayed after you had pressed the key once.*
The next input position flashes.

PQRS 7 — Press numeric key 7 (PQRS) three times in quick succession. *The letters "P/Q" were displayed in succession after you pressed the key the first time. The next input position flashes.*

Press softkey "Ok".



Press softkey "Ok".
The entry is now stored.



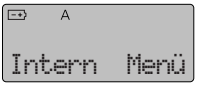
Note:

- The numeric key 0 (_ . , -) can be used to enter a space, a full stop, a comma or a hyphen.
- The numeric key 1 can be used to enter the German umlaut characters Ä, Ö, Ü and the ß character.
- You can also enter digits in alpha mode (e.g. 2 by pressing numeric key 2 four times).
- The Delete key C can be used to delete or correct typing errors either one character at a time or an entire line.
- The sorting sequence is digits before alphabet.

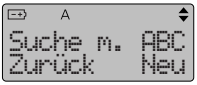
Enhanced-convenience dialling

Storing an entry in the phone book

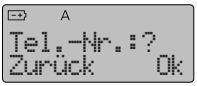
Handset switched to ON



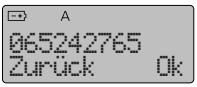
Press the Phone book key



Press “New” softkey

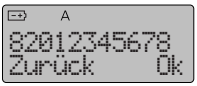


Key in the subscriber number

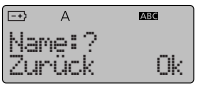


or

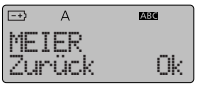
Key in subscriber number of your choice including temporary MSN selection



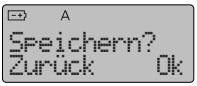
Press “Ok” softkey



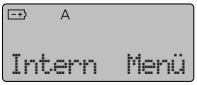
Key in the name, e.g. Meier



Press “Ok” softkey



Press “Ok” softkey a second time.
The entry is now stored.



Note:

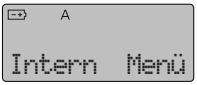
- If you make a mistake, you can use the Delete key C to go back and delete one position at a time, and then re-enter the correct sequence.
- The characters * and # can be stored in the subscriber number but will only be dialled in dual-tone multifrequency dialling (DTMF).
- The function signal key and dial pause can also be stored.
- When the memory is full, the display “Memory Full” appears. You must then delete one or more memories before you can make a new entry.

Enhanced-convenience dialling

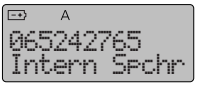
Storing an entry in the phone book from off-line call preparation

You can store a subscriber number directly from off-line call preparation.

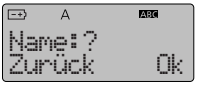
Handset switched to ON



Key in subscriber number
(off-line call preparation)

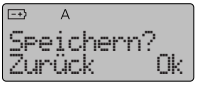


Press "Save" softkey

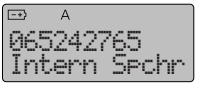


Enter name, e.g. Meier

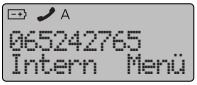
Press "Ok" softkey



Press "Ok" softkey
The entry is now saved.
The subscriber number appears again in the off-line call preparation



Press the Connect key
The subscriber number is dialled.



You make your call…

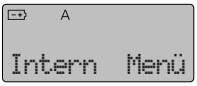
Note:

- f you make a mistake, you can use the Delete key C⌫ to go back and delete one position at a time, and then re-enter the correct sequence.
- The characters * and # can be stored in the subscriber number but will only be dialled in dual-tone multifrequency dialling (DTMF).
- The function signal key and dial pause can also be stored.
- When the memory is full, the display "Memory Full" appears. You must then delete one or more memories before you can make a new entry.
- In this way you can also store subscriber numbers from the redial memory or the call list in the phone book.

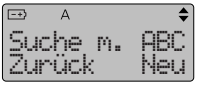
Enhanced-convenience dialling

Dialling from the phone book

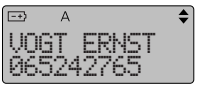
Handset switched to ON



Press the Phone book key

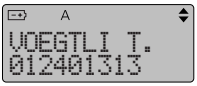


Press arrow keys repeatedly until the name you want appears in the display along with the subscriber number.

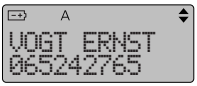


or

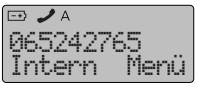
Press the numeric key for the first letter (e.g. 3 times digit 8 = V)
The first name with that letter appears.



Press arrow keys repeatedly until the name you want appears in the display along with the subscriber number.



Press Connect key
The number is dialled



or

Press right-hand softkey if the number was stored including temporary MSN selection

Make your call...

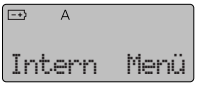
Note:

- You can complement a phone book dialling by suffix dialling a number of digits after pressing the Connect key.
- You can interrupt the phone book search by pressing the left-hand softkey.

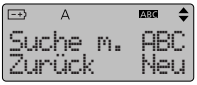
Enhanced-convenience dialling

Changing/deleting a phone-book entry

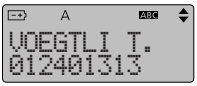
Handset switched to ON



Press the Phone book key



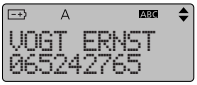
Press arrow keys repeatedly until the name and subscriber number you want appear.



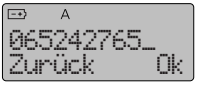
or

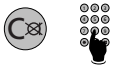
Press the numeric key for the first letter (e.g. 3 times digit 8 = V)
The first name with that letter appears.

Press arrow keys repeatedly until the name and subscriber number you want appear.

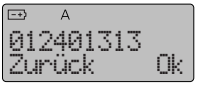


Press Delete key

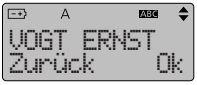




Use the Delete key to go back one space at a time and enter a new subscriber number with the numeric keys.

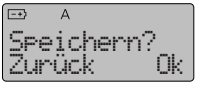


Press "Ok" softkey

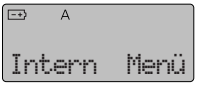


Use the Delete key to go back one space at a time and enter a new name with the numeric keys.

Press "Ok" softkey



Press "Ok" softkey a second time.
The entry is now stored.



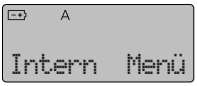
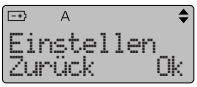
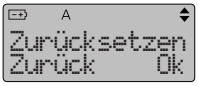
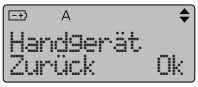
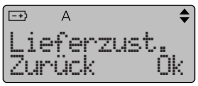
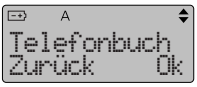
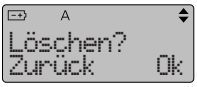
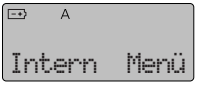
Note:

- If you only delete the entry without entering a new one, the entry will be deleted completely from the phone book.

Enhanced-convenience dialling

Deleting all the entries in the phone book

You can delete all the data stored in the phone book using a single procedure.

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears.	
	Press "Ok" softkey, then press arrow keys repeatedly until "Initialise" appears.	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Press arrow keys repeatedly until "Memory" appears	
	Press "Ok" softkey	
	Press "Ok" softkey *All the entries in the phone book are now deleted.*	
	Press "Back" softkey four times…	

Note:

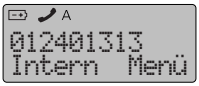
- If you have activated a handset PIN number, the handset will prompt you for your four-digit, personal handset PIN number.

During a call

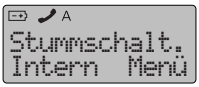
Mute switch

If you do not wish your call partner to hear what you are saying (for instance, when you confer with someone in the room), you can switch the microphone integrated in the handset to Mute.

You are making a call...

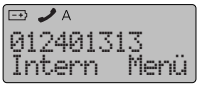


Press the Mute key
The microphone is switched off.
The person at the other end cannot hear you.



Confer with the other person(s) in the room with you...

Press the Mute key a second time
The microphone is switched back on.
The person at the other end can hear you again.



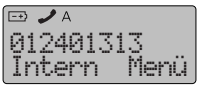
You proceed with your call...

During a call

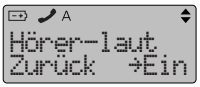
Adjusting the handset volume

During a call, you can increase the volume in the handset to hear the person at the other end more clearly.

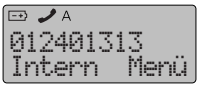
You are making a call...



Press "Menu" softkey, then press arrow keys repeatedly until "Handset Vol." appears.



Press "→On" softkey.
The volume in the handset is increased.



You proceed with your call...

Note:

- The increase in volume in the handset applies to this call only. When the call is completed, the previous setting is automatically restored.
- The handset volume can also be set in such a way that it remains stored permanently for other calls (see Page 17).

During a call

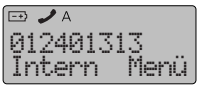
Send DTMF function

By switching over to the DTMF dialling method, you can use the special "star" ✳ and "hash" ⌗ keys to enter information during a call, for such functions as Voicemail, City call, etc.

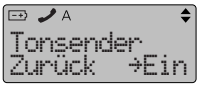
In such cases you can dispense with the use of a separate code transmitter.

Temporary switchover:

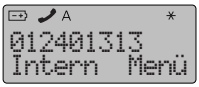
You have set up a call...



Press "Menu" softkey, then press arrow keys repeatedly until "Send DTMF" appears.



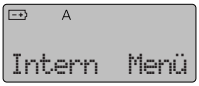
Press "→On" softkey.



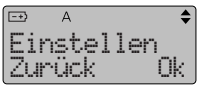
Enter the digits/characters

Permanent switchover:

Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears.



Press "Ok" softkey, then press arrow keys repeatedly until "Auto-DTMF" appears.

Press "→On" softkey.

Press "→Off" softkey.
The Auto DTMF function is now deactivated.

Note:

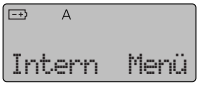
- When you end a call, i.e. after pressing the Connect key, the DTMF function is automatically switched off.
- Blf you use the Redial function, only the digits entered before the switch in dialling method will be redialled.
- During the switchover, the units/charge display is suppressed.

During a call

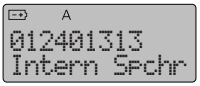
Automatic completion of call to busy subscriber

If you want to call an outside subscriber who is busy, you can activate an automatic completion of call to busy subscriber (CCBS). As soon as the called party is free again, you will be called back by the network and the connection to the called subscriber is set up.

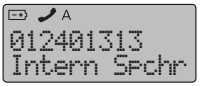
Handset switched to ON



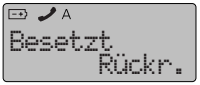
Key in the subscriber number



Press the Connect key within 15 seconds.
The subscriber number is dialled.

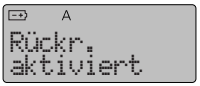


The subscriber is busy

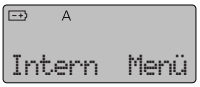


Activating the automatic CCBS

Press "CCBS" softkey

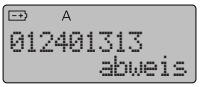


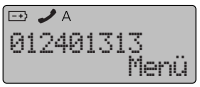
After approx. 2 seconds



Display for automatic CCBS

Press Connect key
You will hear the ringing tone



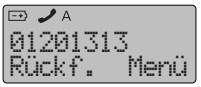
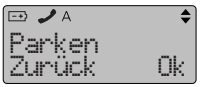
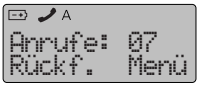


During a call

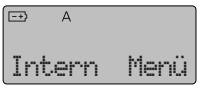
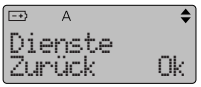
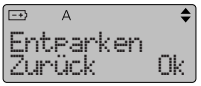
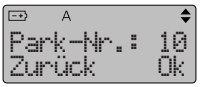
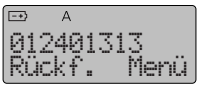
Parking

You can park an outside call and retrieve it again from another handset on your ISDN connection. The park duration is limited to 3 minutes.

Parking a call

	You are making a call	
	Press "Menu" softkey, then press arrow keys repeatedly until "Park" appears.	
	Press "Ok" softkey. The park number displayed can be altered with the Delete key and the numeric keys.	
	Press "Ok" softkey. *The call is now parked.* *The subscriber is free again.*	

Retrieving a parked, external call (unparking)

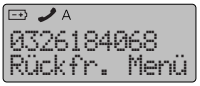
	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.	
	Press "Ok" softkey, then press arrow keys repeatedly until "Unpark" appears.	
	Press "Ok" softkey. The park number displayed can be altered with the Delete key and the numeric keys.	
	Press "Ok" softkey. *The call is now unparked.* *The subscriber is connected through again.*	

During a call

Answering call-waiting calls

You have the possibility of rejecting an outside call-waiting call, accepting it (in which case your current call is interrupted) or holding the current call and taking the call-waiting call.

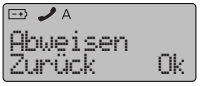
You are making a call



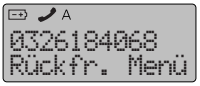
You receive a call

Rejecting the call-waiting call

Press "Menu" softkey.

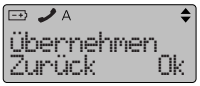


Press "Ok" softkey.
The call-waiting caller is rejected.
You may continue your original call.



Accepting a call-waiting call

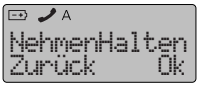
Press "Menu" softkey, then press arrow keys repeatedly until "Take Over" appears.



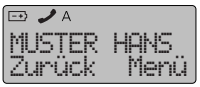
Press "Ok" softkey.

Holding the current call, taking the call-waiting call

Press "Menu" softkey, then press arrow keys repeatedly until "Take Hold" appears.



Press "Ok" softkey.



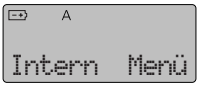
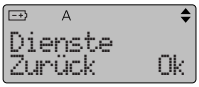
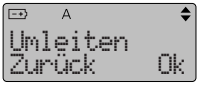
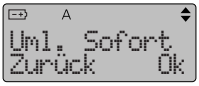
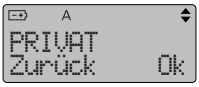
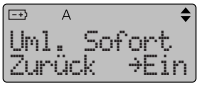
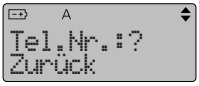
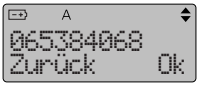
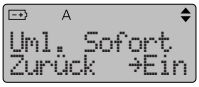
Call diversion

Your telephone supports three different call diversions. The multiple subscriber numbers are diverted in each case.

- Call diversion always: all calls are diverted directly to the predetermined destination.
- Call diversion on busy: all calls are diverted to the predetermined destination if your multiple subscriber number is busy.
- Call diversion no reply: the call is diverted to the predetermined destination if no-one answers a called multiple subscriber number after 15 seconds.

The diversion is MSN-specific and is protected by the system secret number.

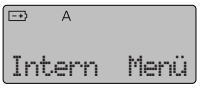
Activating call diversion always

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.	
	Press "Ok" softkey, then press arrow keys repeatedly until "Diversion" appears.	
	Press "Ok" softkey.	
	Press "Ok" softkey, then press arrow keys repeatedly until the MSN you want appears.	
	Press "Ok" softkey.	
	Press "→On" softkey.	
	Key in the destination number	
	Press "Ok" softkey. *The function is carried out*	
	Press "Ok" softkey. *Call diversion is now activated.*	

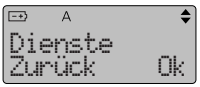
Call diversion

Deactivating call diversion always

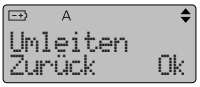
Handset switched to ON



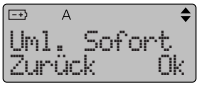
Press “Menu” softkey, then press arrow keys repeatedly until “Services” appears.



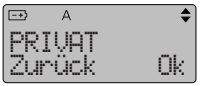
Press “Ok” softkey, then press arrow keys repeatedly until “Diversion” appears.



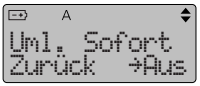
Press “Ok” softkey.



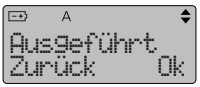
Press “Ok” softkey, then press arrow keys repeatedly until the MSN you want appears.



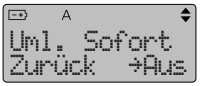
SPress “Ok” softkey, then press arrow keys repeatedly until “Div. Always” appears.



Press “→Off” softkey.



Press “Ok” softkey.
Call diversion is now deactivated.



Note:

- If call diversion cannot be initiated, then the new protocol is not yet supported by the exchange. The introduction of the new protocol to the public network is planned and depends on the level of completion of your local exchange. However, you can use the following key sequences (keypad protocol) to program, activate/deactivate and check call diversion.

Programming: * 21 diversion destination No. #

Activating: * 21 #

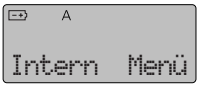
Deactivating: # 21 #

Checking: * # 21 #

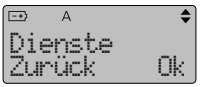
Call diversion

Activating call diversion on busy

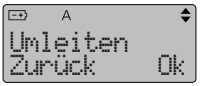
Handset switched to ON



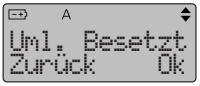
Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.



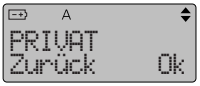
Press "Ok" softkey, then press arrow keys repeatedly until "Diversion" appears.



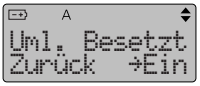
Press "Ok" softkey, then press arrow keys repeatedly until "Div. On Busy" appears.



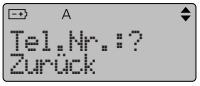
Press "Ok" softkey, then press arrow keys repeatedly until the MSN you want appears.



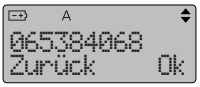
Press "Ok" softkey.



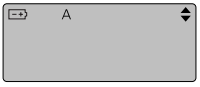
Press "→On" softkey.



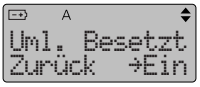
Key in the destination number



Press "Ok" softkey.
The function is carried out



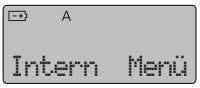
Press "Ok" softkey.
Call diversion is now activated.



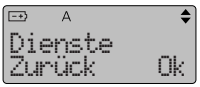
Call diversion

Deactivating call diversion on busy

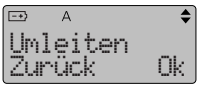
Handset switched to ON



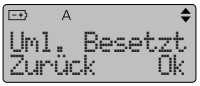
Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.



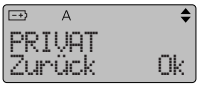
Press "Ok" softkey, then press arrow keys repeatedly until "Diversion" appears.



Press "Ok" softkey, then press arrow keys repeatedly until "Div. On Busy" appears.

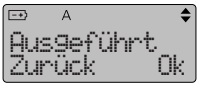


Press "Ok" softkey, then press arrow keys repeatedly until the MSN you want appears.

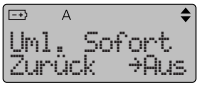


Press "Ok" softkey, then press arrow keys repeatedly until "Div. On Busy" appears.

Press "→Off" softkey.



Press "Ok" softkey.
Call diversion is now deactivated.



Note:

- If call diversion cannot be initiated, then the new protocol is not yet supported by the exchange. The introduction of the new protocol to the public network is planned and depends on the level of completion of your local exchange. However, you can use the following key sequences (keypad protocol) to program, activate/deactivate and check call diversion.

  Programming: ✳ 67 diversion destination No. #

  Activating: ✳ 67 #

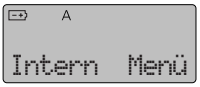
  Deactivating: # 67 #

  Checking: ✳ # 67 #

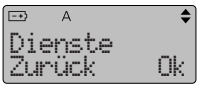
Call diversion

Activating call diversion no reply

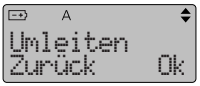
Handset switched to ON



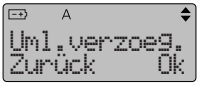
Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.



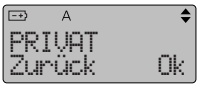
Press "Ok" softkey, then press arrow keys repeatedly until "Diversion" appears.



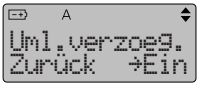
Press "Ok" softkey, then press arrow keys repeatedly until "Div. No Reply" appears.



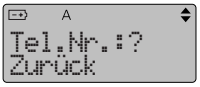
Press "Ok" softkey, then press arrow keys repeatedly until the MSN you want appears.



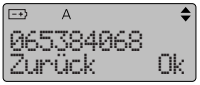
Press "Ok" softkey.



Press "→On" softkey.

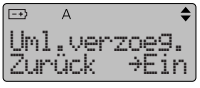


Key in the destination number



Press "Ok" softkey.
The function is carried out

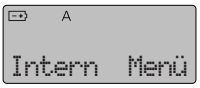
Press "Ok" softkey.
Call diversion is now activated.



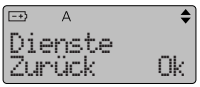
Call diversion

Deactivating call diversion no reply

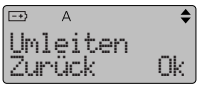
Handset switched to ON



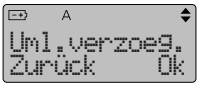
Press "Menu" softkey, then press arrow keys repeatedly until "Services" appears.



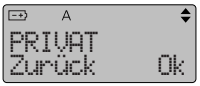
Press "Ok" softkey, then press arrow keys repeatedly until "Diversion" appears.



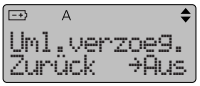
Press "Ok" softkey, then press arrow keys repeatedly until "Div. No Reply" appears.



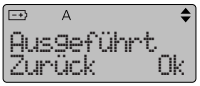
Press "Ok" softkey, then press arrow keys repeatedly until the MSN you want appears.



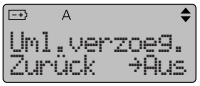
Press "Ok" softkey, then press arrow keys repeatedly until "Div. No Reply" appears.



Press "→Off" softkey.



Press "Ok" softkey.
Call diversion is now deactivated.



Note:

- If call diversion cannot be initiated, then the new protocol is not yet supported by the exchange. The introduction of the new protocol to the public network is planned and depends on the level of completion of your local exchange. However, you can use the following key sequences (keypad protocol) to program, activate/deactivate and check call diversion.

  Programming: ✳ 61 diversion destination No. #

  Activating: ✳ 61 #

  Deactivating: # 61 #

  Checking: ✳ # 61 #

Charge/talk-time display

Introduction

Before you can use the unit/charge metering facility, you need to apply for a "transfer of call charges at end of call" from the Deutsche Telekom branch office responsible for your area, if you do not possess an added-feature multipoint interface.

If you wish to have the unit/charge display indicated during the call, you need to order this facility separately.

Please remember, however, that for technical reasons the indications on the phone bill may vary from the values on your unit/charge display. The unit meter at the Deutsche Telekom exchange is always binding.

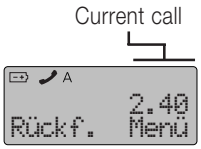
The metering on the telephone is carried out separately for each handset. The amount for the handsets and the total amount from the switched circuit (exchange) runs in the background and can be checked or deleted.

The talk time display is de-activated as a default setting.
If the telephone is operated behind a PBX, it may well be that no call charges are indicated.

Charge display

If the charge display is activated, the display on your handset automatically indicates the charges with each outgoing call.

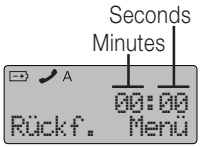
Indication of charges in DM amounts on the display



Talk-time display

If the talk-time display is activated, the display starts automatically as soon as you are through to the subscriber you wanted.

Indication on the display

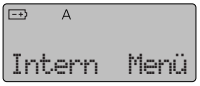


Note: • Maximum display = 99 minutes, 59 seconds, then back to 00:00.

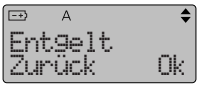
Charge/talk-time display

Activating/deactivating the charge/talk-time display

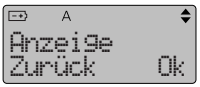
Handset switched to ON



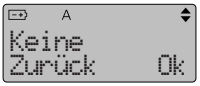
Press "Menu" softkey, then press arrow keys repeatedly until "Amount" appears.



Press "Ok" softkey, then press arrow keys repeatedly until "Display" appears.

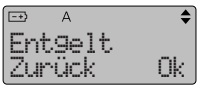


Press "Ok" softkey



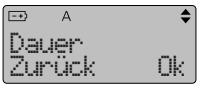
Activating the charge display:

Press arrow keys repeatedly until "Amount" appears.



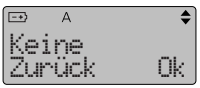
or
Activating on the talk-time display:

Press arrow keys repeatedly until "Duration" appears.

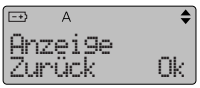


or
Deactivating off the display:

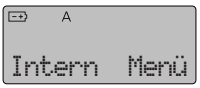
Press arrow keys repeatedly until "Nothing" appears.



Press "Ok" softkey.
The corresponding display is set



Press "Back" softkey twice...

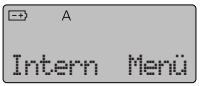


Charge/talk-time display

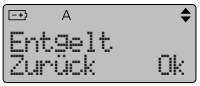
Checking the amounts

You can check the total amount as well as the amount for the last telephone calls at any time (charge incurred).

Handset switched to ON

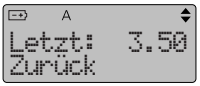


Press "Menu" softkey, then press arrow keys repeatedly until "Amount" appears.

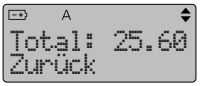


Press "Ok" softkey

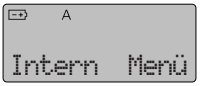
Press "Ok" softkey
The amount of the last call appears in DM amounts



Press the arrow keys
The total amount appears in DM amounts



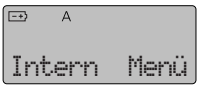
Press "Back" softkey three times...



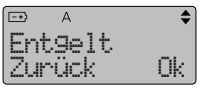
Charge/talk-time display

Changing the charge factor

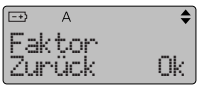
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Amount" appears.

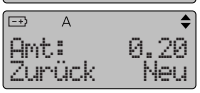


Press "Ok" softkey, then press arrow keys repeatedly until "Factor" appears.

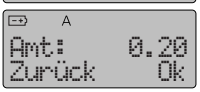


Keying in the line charge factor:

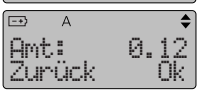
Press "Ok" softkey
The previous factor for the line appears, e.g. 0.20



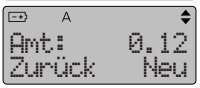
Press "New" softkey



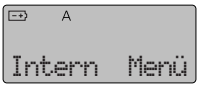
Key in the charge factor, e.g. 012 for 0.12



Press "Ok" softkey
The factor is now stored.

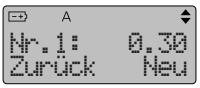


Press "Back" softkey three times...

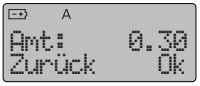


Setting the handset charge factor:

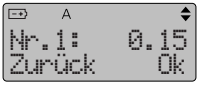
Press "Ok" softkey, then press arrow keys repeatedly until the handset you want appears.
The previous factor appears, e.g. 0.30



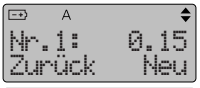
Press "New" softkey



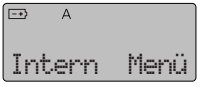
Key in the charge factor, e.g. 015 for 0.15



Press "Ok" softkey
The factor is now stored.



Press "Back" softkey three times...



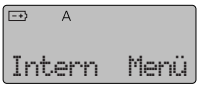
Note:

- If you have activated a system PIN number, the Telephonewill prompt you for your personal, four-digit system PIN number.
- To simply check the factor, carry out the same procedure except for "Keying in the charge factor".
- The charge factor can be set up to "9.99".

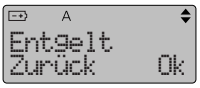
Charge/talk-time display

Checking and deleting the amounts of all handsets and MSN

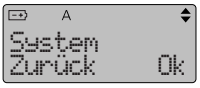
Handset switched to ON



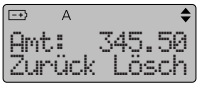
Press "Menu" softkey, then press arrow keys repeatedly until "Charging" appears



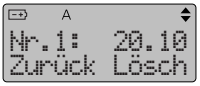
Press "Ok" softkey twice, then press arrow keys repeatedly until "System" appears



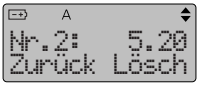
Press "Ok" softkey
The total of the amounts incurred appears.



Press arrow key
The amount incurred by handset 1 appears.

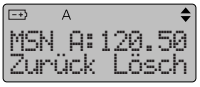


Press arrow key
The amount incurred by handset 2 appears.

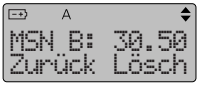


etc.

Press arrow key
The amount incurred by MSN A appears.

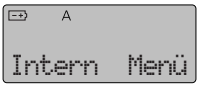


Press arrow key
The amount incurred by MSN B appears.



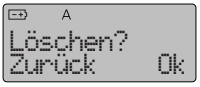
etc.

Press "Back" softkey four times...

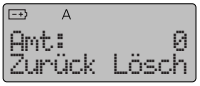


To delete:

Press "Delete" softkey



Press "Ok" softkey
The charge for the switched circuit is deleted



Note:

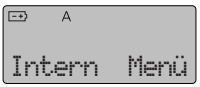
- If you have activated a system PIN number, the Telephonewill prompt you for your personal, four-digit system PIN number.

Direct call

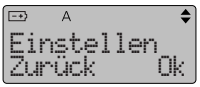
Activating direct call

An important subscriber number can be stored as a direct call number. When direct call is activated, this subscriber number can be dialled automatically by pressing any key (except softkeys). Incoming calls can be answered.

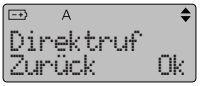
Handset switched to ON



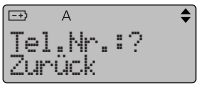
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



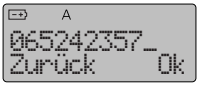
Press "Ok" softkey, then press arrow keys repeatedly until "Direct Call" appears



Press "Ok" softkey



Key in the subscriber number of the destination you want



Press "Ok" softkey
Direct call is now activated

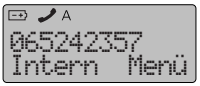
Note:

- If you have activated a system PIN number, the Telephonewill prompt you for your personal, four-digit system PIN number.

Direct call

Dialling a direct call number

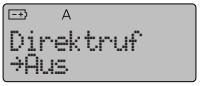
Press the Connect key for example
The direct call number stored is dialled automatically.



You make your call…

Ending the call:

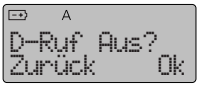
Press the Connect key a second time
"Direct call" appears again on the display.



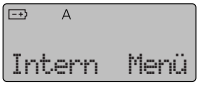
Note: • Direct call is automatically re-activated when the call is ended.

Deactivating direct call

Press "→Off" softkey



Press "Ok" softkey
Direct call is now deactivated



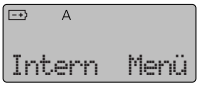
Call barring

Activating call barring

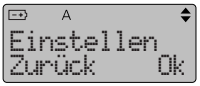
Call barring allows you to bar your telephone handset(s) individually for outgoing calls at the exchange connection (with the exception of the direct call facility and the emergency numbers 110, 112, 115, 19222). You have a choice of three different barring options:

No Barring = No barring (all calls permitted)
External = No outside calls possible
National = No long distance calls possible (0-barring)
International = No international calls possible (00-barring)

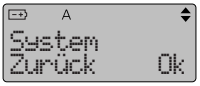
Handset switched to ON



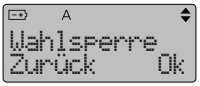
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



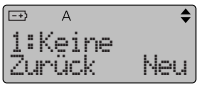
Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



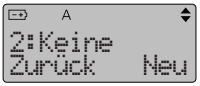
Press "Ok" softkey, then press arrow keys repeatedly until "Call Barring" appears



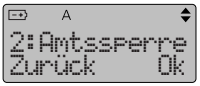
Press "Ok" softkey
Call barring set for handset 1 appears on the display



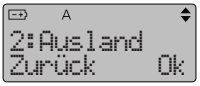
Press arrow keys repeatedly until the handset you want appears on the display (e.g. handset 2)



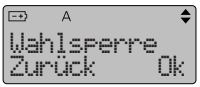
Press "New" softkey



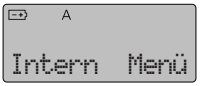
Press arrow keys repeatedly until the barring you want appears (e.g. international)



Press "Ok" softkey
The call barring is now set



Press "Back" softkey three times...



Paging

From base station to handset(s)

You can transmit an acoustic signal (paging ringing signal) from base station to handset(s), for instance you may have mislaid your handset(s) and want to use this signal to help find it (them).

Press the ringing key on the base station
The paging ringing signal sounds for approx. 60 seconds on the handset(s)

Note:

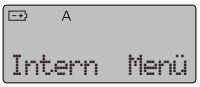
- You can use the Connect key to stop the paging ringing for all the handsets.
- With the "→Off" softkey you can stop the paging ringing for the corresponding handset.

Ringing tone

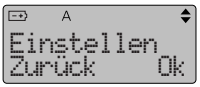
Setting the ringing tone on the handset

You can modify the volume, tone sequence and melody of the ringing tone on the handset.

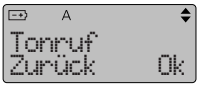
Handset switched to ON



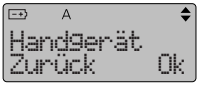
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



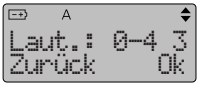
Press "Ok" softkey, then press arrow keys repeatedly until "Ringer" appears



Press "Ok" softkey

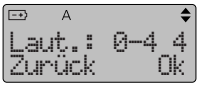


Press "Ok" softkey
The ringing tone on the handset rings as previously set, as indicated on the display



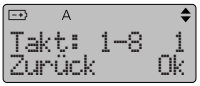
Setting the volume:

0 ••• 4 Press numeric key 0…4 for the required volume, e.g. 4 (0 = off / 4 = loud)

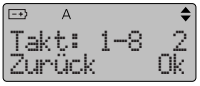


Setting the tone sequence (pitch):

Press arrow keys

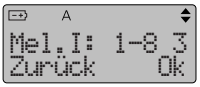


1 ••• 8 Press numeric key 1…8 for the required pitch, e.g. 2 (1 = slow / 8 = fast)

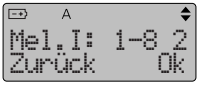


Setting the melody for internal calls:

Press arrow keys



1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2

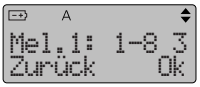


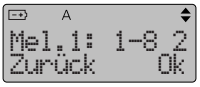
Ringing tone

Setting the melody for digit 1

▼ Press arrow keys

1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2

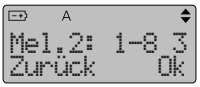


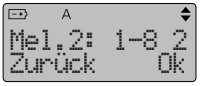


Setting the melody for digit 2

▼ Press arrow keys

1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2

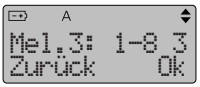


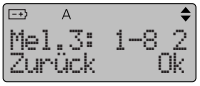


Setting the melody for digit 3

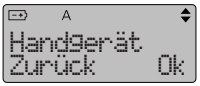
▼ Press arrow keys

1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2

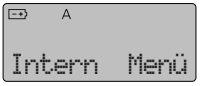




Press "Ok" softkey
Digit barring is now set



Press "Back" softkey five times…

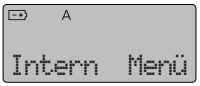


Ringing tone

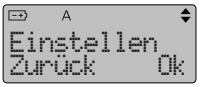
Setting the ringing tone on the base station

You can modify the volume, tone sequende and melody of the ringing tone on the base station.

Handset switched to ON

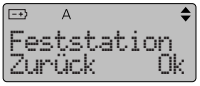


Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears

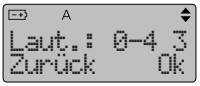


Press "Ok" softkey, then press arrow keys repeatedly until "Ringer" appears

Press "Ok" softkey, then press arrow keys repeatedly until "Basestation" appears

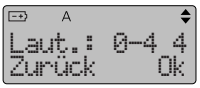


Press "Ok" softkey
The ringing tone on the base station rings as previously set, as indicated on the display



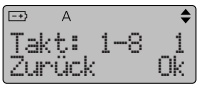
Setting the volume:

0 ••• 4 Press numeric key 0…4 for the required volume, e.g. 4
(0 = off / 4 = loud)

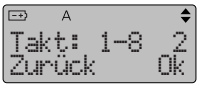


Setting the tone sequence (pitch):

Press arrow keys

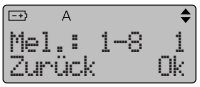


1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2

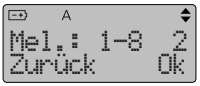


Setting the melody:

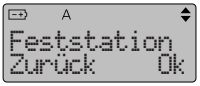
Press arrow keys



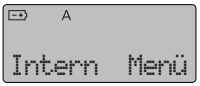
1 ••• 8 Press numeric key 1…8 for the required melody, e.g. 2



Press "Ok" softkey
The new setting is now stored



Press "Back" softkey three times…

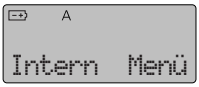
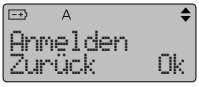
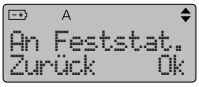
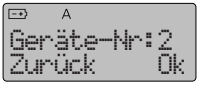
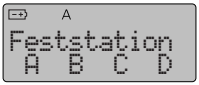
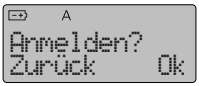
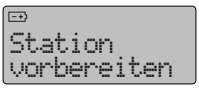


Operation with several handsets

Explanations

The telephone allows you to operate up to 6 handsets on one base station. Each additional handset must be subscribed to the base station and obtain an internal subscriber number. Each internal subscriber number (1-6) can only be allocated once.

Subscribing a handset to the base station

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears.	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Key in the system PIN	
	Key in the handset number (internal subscriber number 1 to 6) e.g. 2	
	Press "Ok" softkey	
	Use the softkeys and arrows keys to key in the base station you want: e.g. left-hand softkey for base station A	
	Press "Ok" softkey	

Note:

- Each occupied base station is identified with an "*".
- See page 76 for MSN allocation

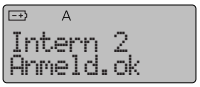
Operation with several handsets

Preparing the base station for subscription:

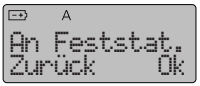
Press down the paging key on the base station for 6 seconds.
The connection indicator on the base station (red LED) starts flashing.

Display reading on the handset:

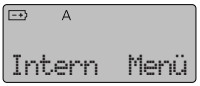
The following information is indicated on the display during subscription.



The subscription procedure is completed.
The handset is now subscribed.



Press "Back" softkey three times...

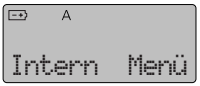
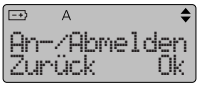
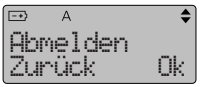
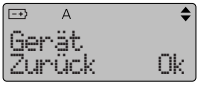
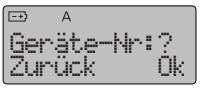
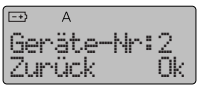
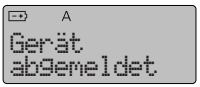
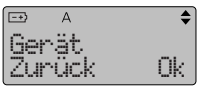
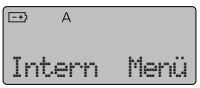


Note:

- When subscribing, you must always key in the correct system PIN for the base station concerned, even if the PIN function has not been activated (digit sequence "0000").
- If the subscription was not carried out correctly, the display reads "Subscription Failed" and the procedure must be repeated.

Operation with several handsets

Desubscribing a handset from the base station

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears.	
	Press "Ok" softkey, then press arrow keys repeatedly until "Desubscribe" appears.	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Key in the handset number to be desubscribed (internal subscriber number 1 to 6) e.g. 2	
	Press "Ok" softkey	
		
	Press "Back" softkey three times…	

Note:

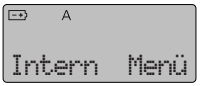
- To be able to desubscribe a handset you have to be in the vicinity of the base station.
- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

Operation with several handsets

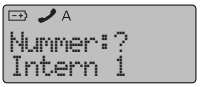
Making internal calls

You can set up an internal call to another handset (on the same base station) and make a call.

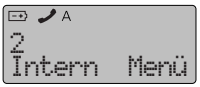
Handset switched to ON



Press "Intern" softkey.
The handset's internal number is indicated on the bottom line of the display.

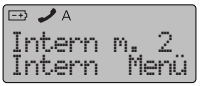


Key in the internal subscriber number (1 to 6) of the handset you want (e.g. 2)

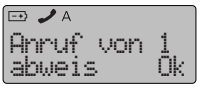


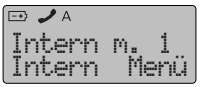
You hear the ringing tone.
The subscriber answers.

You make your call…



Display reading in the called handset
(The number of the calling handset is displayed, e.g. 1)





Note:

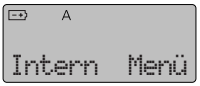
- **Global call:** If you key in the digit 9 as the internal subscriber number, a global call is sent out to all the handsets (group hunting).
- If the handset you want is not reached, you will hear the busy tone after approx. 10 seconds and the display reads "Busy".
- If an outside call comes in during the internal call, you will hear the call waiting tone (see section on call waiting).

Operation with several handsets

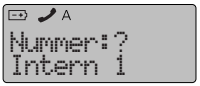
Checking the internal subscriber number

If you have forgotten a handset's internal subscriber number, you can check it using a simple procedure.

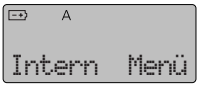
Handset switched to ON



Press "Intern" softkey.
The handset's internal number is indicated on the display, e.g. Intern 1.



Press the Connect key

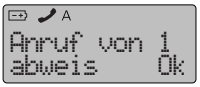


Rejecting a call

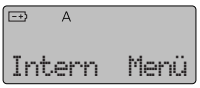
An (internal or outside) call is signalled. You do not want to be disturbed and reject the call, e.g. when another handset is to answer the call.

Internal call:

Handset is ringing



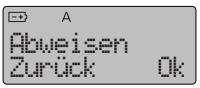
Press "Reject" softkey
The call is rejected.
The caller hears the busy tone.



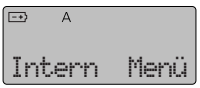
Outside call:

Base station and handsets are ringing

Press "Menu" softkey



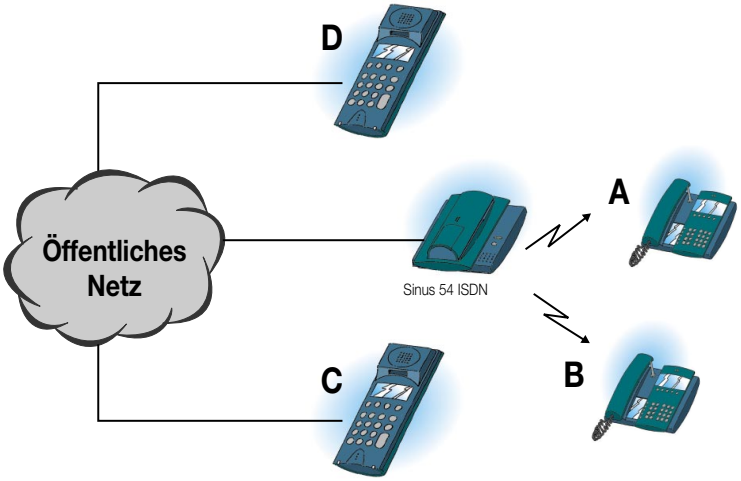
Press "Ok" softkey
The call is rejected from this handset.



The other handsets and the base station go on ringing.

Operation with several handsets

Inquiry / Swap / Three-party conference / Call transfer



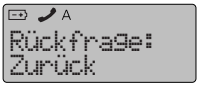
Inquiry via telephone

You (subscriber A) are making a call with subscriber C

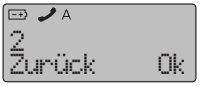
Subscriber A wants to initiate an inquiry to subscriber B (internal)

Press "Inquiry" softkey

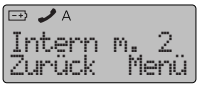
Press "Handy" softkey



Key in the internal subscriber number you want (e.g. 2)



Press "Ok" softkey
You are now connected with the second subscriber (B). The other call is held in the base of the telephone.



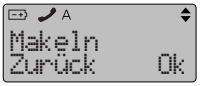
Operation with several handsets

Swap via telephone

You (subscriber A) can now switch backwards and forwards between the two calls (B and C).

You (A) are connected with subscriber B
Subscriber C is on hold

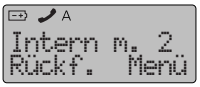
Press "Menu" softkey



Press "Ok" softkey
You (A) are now connected with subscriber C. Subscriber B is on hold.

Disconnect current call and return to the other call:

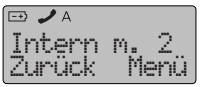
Press "Back" softkey



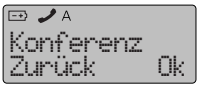
Three-party conference via telephone

You (A) are connected with subscriber B and subscriber C is on hold. You can now link up with the two subscribers to form a three-party conference.

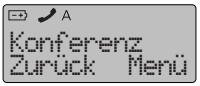
You (A) are connected with subscriber B
Subscriber C is on hold



Press "Menu" softkey, then press arrow keys repeatedly until "Three Party" appears.

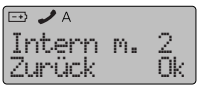


Press "Ok" softkey
All 3 subscribers (A, B and C) are now connected together.



Cancelling the three-party conference:

Press "Back" softkey
You now hear only one subscriber; the other is on hold.

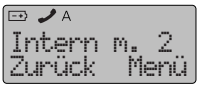


Operation with several handsets

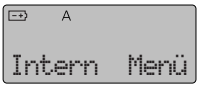
Call transfer via telephone

You (A) are connected with subscribers B and C (swap or conference status) and can now connect them together.

You (A) are connected with subscriber B
Subscriber C is on hold



Press the Connect key.
Subscribers B and C are now connected.
Your handset and the B channel used are now free again.



Note:

- Even after the call transfer, the call charges are charged to whichever party set up the connection.

Operation with several handsets

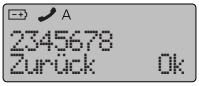
Inquiry via telephone

You (subscriber A) are making a call with subscriber C

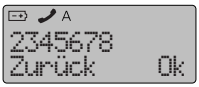
Subscriber A wants to initiate an inquiry to subscriber D (external)

Press "Inquiry" softkey

Key in the external subscriber number you want (e.g. 2345678)



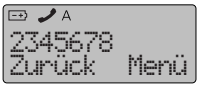
Press "Ok" softkey
You are now connected with the second subscriber (D). The other call is held in the exchange.



Swap

You (subscriber A) can now switch backwards and forwards between the two calls (C and D).

You (A) are connected with subscriber D
Subscriber C is on hold

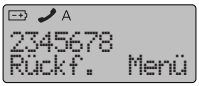


Press "Menu" softkey

Press "Ok" softkey
You (A) are now connected with subscriber C. Subscriber D is on hold.

Disconnect current call and return to the other call:

Press "Back" softkey

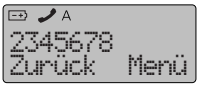


Operation with several handsets

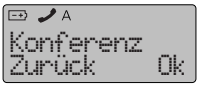
Three-party conference

You (A) are connected with subscriber D and subscriber C is on hold. You can now link up with the two subscribers to form a three-party conference.

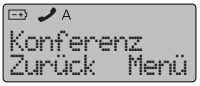
You (A) are connected with subscriber D
Subscriber C is on hold



Press "Menu" softkey, then press arrow keys repeatedly until "Three Party" appears.

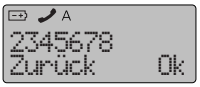


Press "Ok" softkey
All 3 subscribers (A, C and D) are now connected together.



Cancelling the three-party conference:

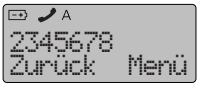
Press "Back" softkey
You now hear only one subscriber; the other is on hold.



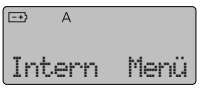
Call transfer

You (A) are connected with subscribers C and D (swap or conference status) and can now connect them together.

You (A) are connected with subscriber D
Subscriber C is on hold



Press the Connect key.
Subscribers C and D are now connected.
Your handset is free again.



Note:

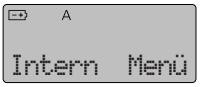
- Even after the call transfer, the call charges are charged to whichever party set up the connection.

Operation with several handsets

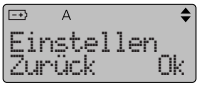
Setting the ringing allocation for the handsets (exchange ring)

An incoming external call is signalled to all the handsets. You can switch off the ring signalling (exchange ring) on individual handsets. You can then only be reached on that handset if another handset calls you internally.

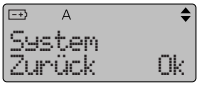
Handset switched to ON



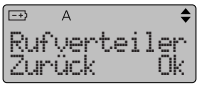
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



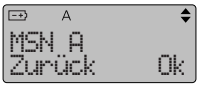
Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



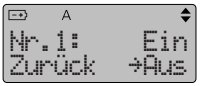
Press "Ok" softkey, then press arrow keys repeatedly until "Call Distribution" appears



Press "Ok" softkey, then press arrow keys repeatedly until the MSN to be configured appears

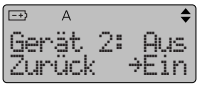


Press "Ok" softkey, then press arrow keys repeatedly until the handset you want appears



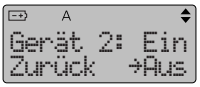
Switching off the exchange ring:

Press "→Off" softkey
The exchange ring is now deactivated.

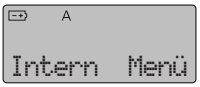


or
Switching the exchange ring back on:

Press "→On" softkey
The exchange ring is now re-activated.



Press "Back" softkey four times...



Note:

- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

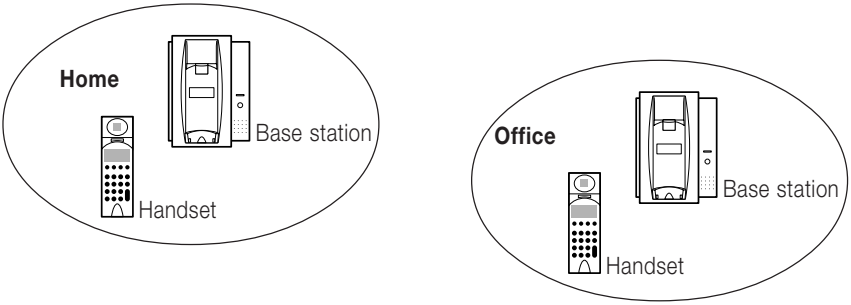
Operation on several base stations

General explanations

In addition to your own base station, you can operate your Telephonehandset on up to three other base stations (a maximum of six handsets can be operated on each base station), for example on the one at home and also on the one at work.
The application possibilities for this function are almost limitless. For this reason, in the example below, we shall restrict ourselves to explaining this feature using two base stations.

Application example

You own a Telephonecordless telephone at home and use the same handset at your workplace in the office.



You can now also use the handset from the cordless telephone at the office on the base station at home and vice versa. Obviously, incoming and outgoing calls are possible only within the range of each particular base station. The handsets must be subscribed on the base station at home and on the base station at the office.

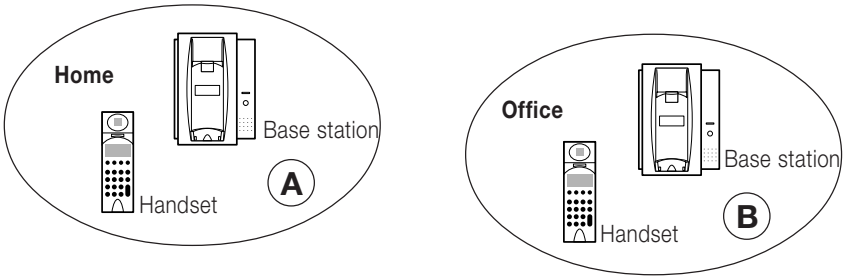
We recommend the following steps when putting other base stations into service:

You have two complete telephone sets as your initial equipment. As complete sets are supplied preconfigured (both base stations as "A" and both handsets as Intern No. 1), we recommend that you desubscribe both handsets from the base stations (see Desubscribing handsets from the base station, page 54).

Operation on several base stations

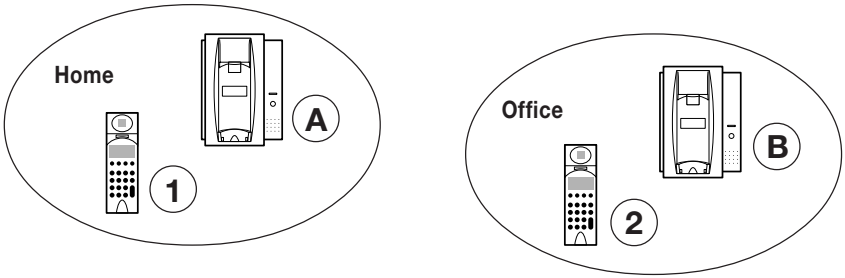
Specifying the configuration

Define one letter (A, B, C or D) in each case for the base station at home and one for the base station at the office. Write the corresponding letter in the label area on each base station.

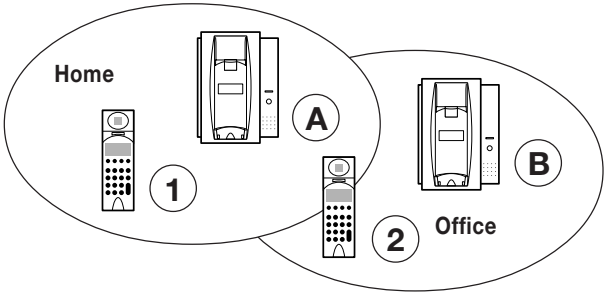


For the sake of clarity, we shall refer from now on to base station A and base station B.

Next allocate one internal subscriber number (1 to 6) to each of your handsets.



Note: • The radio cells can of course overlap either partly or completely.

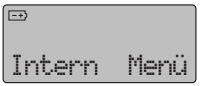
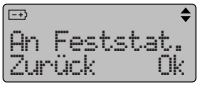
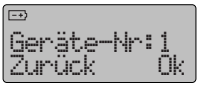
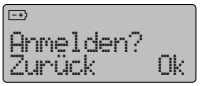
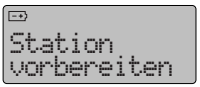


Operation on several base stations

Subscribing handsets to base stations

First subscribe handset 1 to base station A and then to base station B.

Subscribing handset 1 to base station A:

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Key in the system PIN	
	Key in the handset number (internal subscriber number 1 to 6) e.g. 1	
	Press "Ok" softkey	
	Press left-hand softkey for base station A	
	Press "Ok" softkey	

Note: • Each occupied base station is identified with an "*".

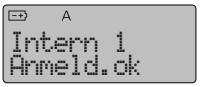
Operation on several base stations

Preparing base station A for subscription:

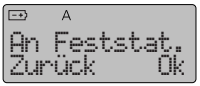
Press down the paging key on base station A for 6 seconds.
The connection indicator on the base station (red LED) starts flashing.

Display reading on the handset:

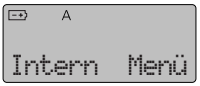
The following information is indicated on the display during subscription.



The subscription procedure is completed.
The handset is now subscribed.



Press "Back" softkey three times...



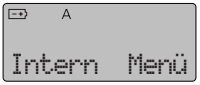
Note:

- For the subscription you must always key in the correct system PIN for each base station concerned, even if the PIN function has not been activated (digit sequence "0000").
- If the subscription was not carried out correctly, the display reads "Subscription Failed" and the procedure must be repeated.

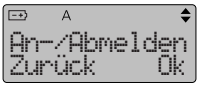
Operation on several base stations

Subscribing handset 1 to base station B:

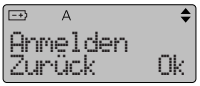
Handset switched to ON



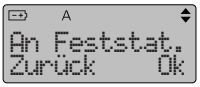
Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears



Press "Ok" softkey



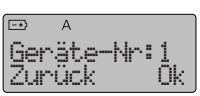
Press "Ok" softkey



Press "Ok" softkey

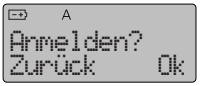
Key in the system PIN

Key in the handset number
(internal subscriber number 1 to 6)
e.g. 1



Press "Ok" softkey

Press backwards arrow key for base station B



Press "Ok" softkey

Note:

- Each occupied base station is identified with an "*".

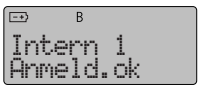
Operation on several base stations

Preparing base station B for subscription:

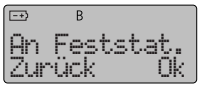
Press down the paging key on base station B for 6 seconds.
The connection indicator on the base station (red LED) starts flashing.

Display reading on the handset:

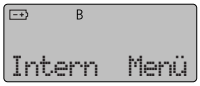
The following information is indicated on the display during subscription.



The subscription procedure is completed.
The handset is now subscribed.



Press "Back" softkey three times...



Handset 1 is now subscribed onto base station A and base station B.

Next subscriber handset 2 to base stations A and B in exactly the same way as handset 1. Remember to key in a 2 for the internal subscriber number.

Both handset 1 and handset 2 are now subscribed to base stations A and B.

Note:

- For the subscription you must always key in the correct system PIN for each base station concerned, even if the PIN function has not been activated (digit sequence "0000").
- If the subscription was not carried out correctly, the display reads "Subscription Failed" and the procedure must be repeated.

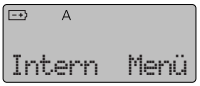
Operation on several base stations

Automatic switchover or manual selection of base station

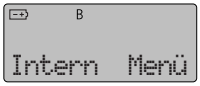
You can set your handset to

1. Automatic switchover of the base station (default setting)
In the case of separate radio cells the radio connection is set up with the base station in whose range you are in. In the case of overlapping radio cells the connection is set up with the base station with the highest field strength. In both cases you can only be reached via the base station indicated on the display.

Connected with base station A

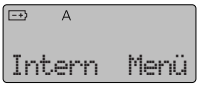


Connected with base station B

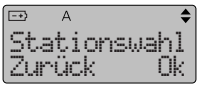


2. Manual selection of the base station
The handset attempts to set up a radio connection only to the base station that has been set manually.

Handset switched to ON



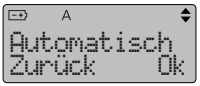
Press "Menu" softkey, then press arrow keys rrepeatedly until "Choose Base" appears



Press "Ok" softkey.
Previous setting appears.

Automatic switchover of base station:

Press arrow keys repeatedly until "Automatic" appears.



or
Manual switchover of base station:

Press arrow keys repeatedly until the station you want appears, e.g. station B.

Press "Ok" softkey
The corresponding selection is now set.

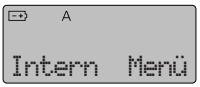
Note:
- The corresponding base station symbol (A, B, C or D) flashes during the synchronisation phase or when the handset is searching for the base station.

Operation on the telephone system

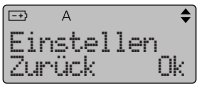
Entering/deleting the exchange identification code (EIC)

If you operate your telephone behind a telephone system, you have the possibility of entering an exchange identification code of up to 4 digits.

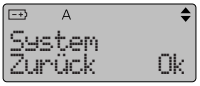
Handset switched to ON



Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears

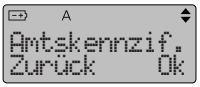


Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



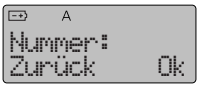
Press "Ok" softkey, then press arrow keys repeatedly until "TK System" appears

Press "Ok" softkey, then press arrow keys repeatedly until "Exch. ID Code" appears

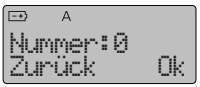


Entering:

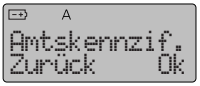
Press "Ok" softkey



Key in the exchange identification code for the telephone system
e.g. 0

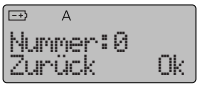


Press "Ok" softkey
The exchange identification code is now stored.

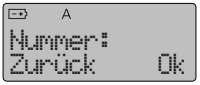


Deleting:

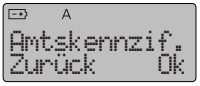
Press "Ok" softkey
The exchange identification code currently set appears.



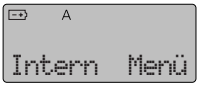
Press the Delete key C to delete the exchange identification code.



Press "Ok" softkey
The exchange identification code is now deleted.



Press "Back" softkey three times...

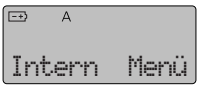


Operation on the telephone system

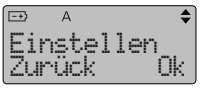
Sending an automatic keypad

If ✳ or # is pressed as the first dialling key, there is an automatic switchover to keypad signalling (“Auto Keypad” On). On some systems (e.g. systems on which automatic line fetch is programmed) you need to set the menu item “Auto Keypad” to “Off” so that for example you can connect internally with ✳.

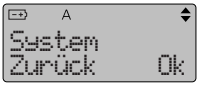
Handset switched to ON



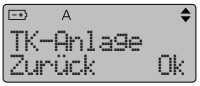
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "System" appears



Press "Ok" softkey, then press arrow keys repeatedly until "TK System" appears



Press "Ok" softkey, then press arrow keys repeatedly until "Auto Keypad" appears

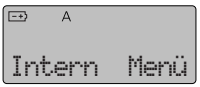
Activating Auto Keypad:

Press "→On" softkey

Deactivating Auto Keypad:

Press "→Off" softkey

Press "Back" softkey four times...



Note:

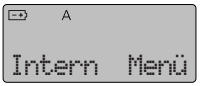
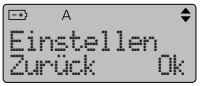
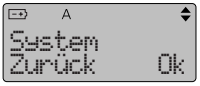
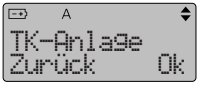
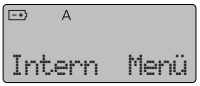
- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

Operation on the telephone system

Transfer with Disconnect

This setting depends on your TK system. You can test whether or not you need to carry out this setting:

- During an inquiry transfer your two call partners by pressing the Connect key.
- If the transfer is not possible, you need to deactivate "Auto ECT".

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "System" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "TK System" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "Auto ECT" appears	
	Press "→Off" softkey *Auto ECT is now deactivated*	
	Press "Back" softkey four times…	

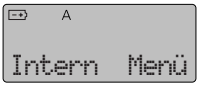
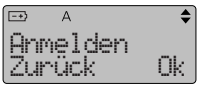
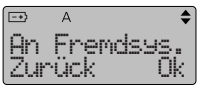
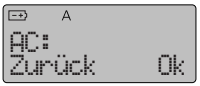
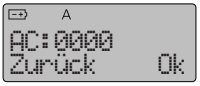
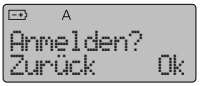
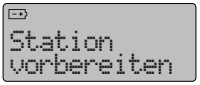
Note:

- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.
- Normally, transfer is effected during operation on a TK system with ECT (Euro protocol). With "Auto ECT Off" the Euro protocol is deactivated. Ask your system manufacturer or refer to the operating instructions of your TK system for more details.

Operation on the telephone system

Subscribing a telophone handset to a foreign system

You can log on and operate your telephone handset on a foreign DECT system providing that system also supports the GAP access profile. To log on the Telephonehandset, you need to have the "AC" access code (authentication code) of the foreign DECT system at the ready. See the user guide supplied with the foreign system for details.

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears	
	Press "Ok" softkey	
	Press "Ok" softkey, then press arrow keys repeatedly until "On Foreign" appears	
	Press "Ok" softkey	
	Key in the AC access code, e.g. 0000	
	Press "Ok" softkey	
	Use the softkeys and arrow keys to key in the base station you want: e.g. right-hand softkey for base station D	
	Press "Ok" softkey	
	Continue as instructed in the user guide supplied with the foreign system	

Note:

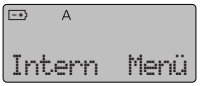
- Each occupied base station is identified with an "*".
- To desubscribe a handset see page 68.

Operation on the telephone system

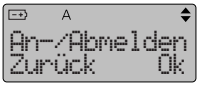
Subscribing a foreign telephone handset

You can log on and operate a foreign DECT handset on your Telephonebase station providing that system also supports the GAP access profile.
The Telephonebase station and the foreign handset require an "AC" access code (known as the authentication code or system code) for the subscription procedure. You yourself can determine this access code, consisting of 4–8 characters, and pass it on to the base station using the Telephonehandset. You must also notify the base station of the internal subscriber number under which the foreign handset is to be subscribed.

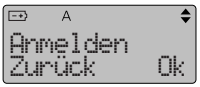
Handset switched to ON



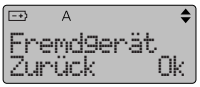
Press "Menu" softkey, then press arrow keys repeatedly until "De/Subscribe" appears



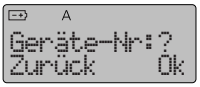
Press "Ok" softkey



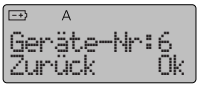
Press "Ok" softkey, then press arrow keys repeatedly until "Foreign HS" appears



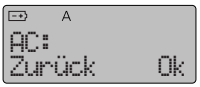
Press "Ok" softkey



Key in the handset number (internal subscriber number 1 to 6) e.g. 6

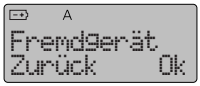


Press "Ok" softkey



Key in the AC access code, e.g. 0000

Press "Ok" softkey



Continue as instructed in the user guide supplied with the foreign system

Note:

- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.
- To desubscribe a handset see the user guide supplied with your foreign system.

Initialising

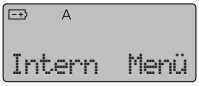
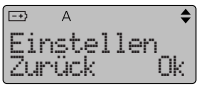
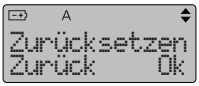
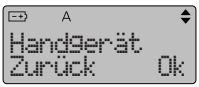
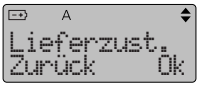
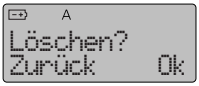
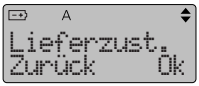
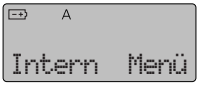
Restoring the handset to its default settings

This procedure restores the following handset settings to the default settings:

- handset ringer
- off-hook answering "OFF"
- handset volume (normal)
- choose base (automatic)
- keyclick ("ON")
- range warning tone ("OFF")
- language: English
- redial
- call register

and deletes the following data:

- phone book
- handset PIN ("0000")

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "Initialise" appears	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Press "Ok" softkey	
	Press "Ok" softkey *The default settings have now been restored.*	
	Press "Back" softkey four times…	

Note:

- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

Initialising

Restoring the base station (system) to its default settings

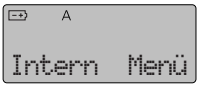
This procedure restores the following system settings to the default settings:

- base station ringer
- handset call barring
- exchange ring signalling
- direct call ("OFF")
- charge factors (0.12)
- charge display ("OFF")
- MSNs
- call waiting
- CLIR

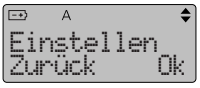
and deletes the following data:

- EIC
- charge amounts
- system PIN ("0000")

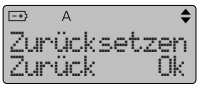
Handset switched to ON



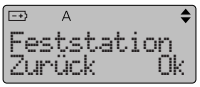
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "Initialise" appears

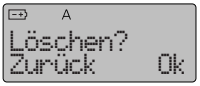


Press "Ok" softkey, then press arrow keys repeatedly until "Basestation" appears

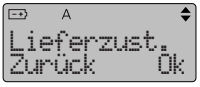


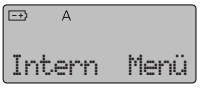
Press "Ok" softkey

Press "Ok" softkey



Press "Ok" softkey
The default settings have now been restored.





Press "Back" softkey four times...

Note:

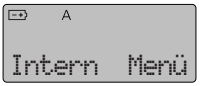
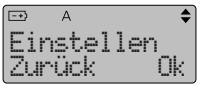
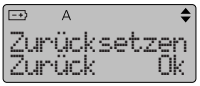
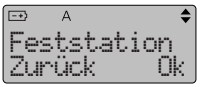
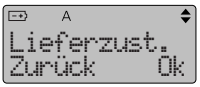
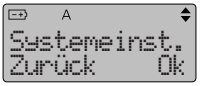
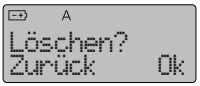
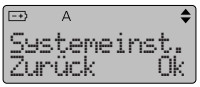
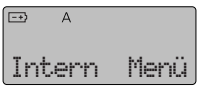
- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

Initialising

Restoring all telephone parameters to the default settings

This procedure restores the following telephone parameters to their default settings:

- call barring
- call allocation

	Handset switched to ON	
	Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "Initialise" appears	
	Press "Ok" softkey, then press arrow keys repeatedly until "Basestation" appears	
	Press "Ok" softkey	
	Press arrow keys repeatedly until "Tel.-Paramet." appears	
	Press "Ok" softkey	
	Press "Ok" softkey *The telephone parameters have now been initialised.*	
	Press "Back" softkey four times...	

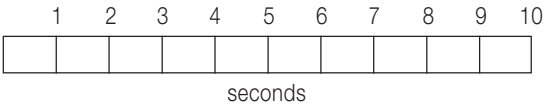
Note:

- If you have activated a system PIN, the handset will prompt you for your personal, four-digit system PIN.

Acoustic signals

Tones in general

Acoustic signal:



Ringers:

Outside call (transparent)

Internal call

Paging call

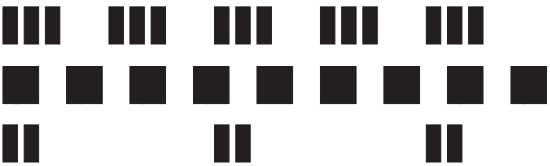
On-hook in inquiry call

Handset tones:

Internal dial tone

Busy tone

Call waiting tone



Handset information tones:

Permitted keypress

Error signal

Leaving radio range

Battery low (preliminary warning)

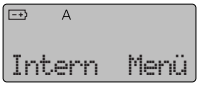
Battery empty

Acoustic signals

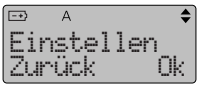
Activating/deactivating keyclick

If you do not want every keypress confirmed by a click, you can deactivate this function.

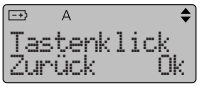
Handset switched to ON.



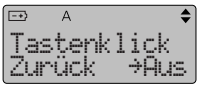
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "Keyclick" appears

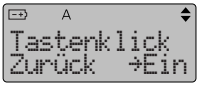


Press "Ok" softkey
The inactive setting is displayed



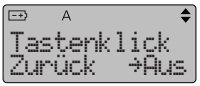
Deactivating:

Press "→Off" softkey
Keyclick is now deactivated

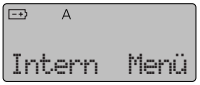


Activating:

Press "→On" softkey
Keyclick is now activated



Press "Back" softkey twice...



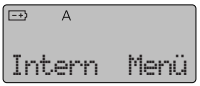
Acoustic signals

Range warning

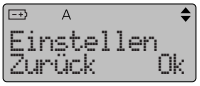
If you activate the range warning, a warning signal will sound if you leave the radio range in the course of a call. This could be due, for instance, to building-related factors acting at the limit of your base station's transmission and reception range.

If this happens, move back towards the base station or out of the radio shadow until this warning signal stops. If you do not return within the base station's transmitting range within 10 seconds, the radio and telephone link is automatically disconnected.

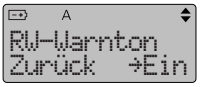
Handset switched to ON.



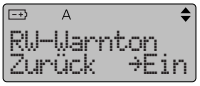
Press "Menu" softkey, then press arrow keys repeatedly until "Setup" appears



Press "Ok" softkey, then press arrow keys repeatedly until "RangeWarning" appears

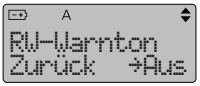


The inactive setting is displayed



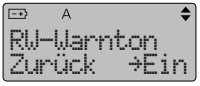
Activating:

Press "→On" softkey
The warning tone is now activated again

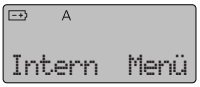


Deactivating:

Press "→Off" softkey
The warning tone is now deactivated



Press "Back" softkey twice...



General information

Faults and self-help troubleshooting

Most malfunctions will not be due to a defect on your telephone. You can often save time and money by correcting minor faults yourself.
The following tips are intended to help you do this.

Symptom	Cause	Action
No display	Handset not switched on	Press Connect key
	Battery cells empty	Charge handset on the base station / charging station
Cannot get a line, no dial tone	Telephone connector plug not correctly inserted	Check the plug at both the telephone socket and the base station, if necessary remove and reconnect.
	Mains transformer plug not correctly inserted	Check the plug at both the 230V socket and the base station, if necessary remove and reconnect.
No radio link to the base station possible, "No System" is displayed	Handset not subscribed	Subscribe handset (page 52)
	Outside the range Manual station selection incorrectly set	Move into the radio range Change station selection (page 66)
Handset not ringing	Ringer deactivated or set too low	Set ringer volume (page 46)
	Exchange ring deactivated	Activate exchange ring (page 59)
Base station not ringing	Ringer deactivated or set too low	Set ringer volume (page 47)
"Invalid" appears on the display		Switch handset off and back on again
On PBXs only: No connection or wrong number when dialling from memory	EIC not entered	Enter EIC in system ((page 83)
On PBXs only: National barring acts like exchange barring	PBX using "0" as EIC	Carry out barring via TK system, set international barring if necessary

General information

Warranty terms

Deutsche Telekom AG provides a 12 month warranty for material and manufacture of the telecommunication terminal from the moment of handover.
The purchaser initially has only the right to remedy of any defects. Rather than effect such remedies, Deutsche Telekom AG may at its discretion supply replacement equipment: any replaced equipment or parts become the property of Deutsche Telekom AG.
Should a remedy or replacement delivery prove ineffectivefail, the purchaser may, within the warranty period, demand cancellation of the agreement (repudiation) or a lowering of the purchase price (diminution). The purchaser must inform Deutsche Telekom AG immediately of any defects noted.

Evidence of a claim to warranty is to be provided by means of a proper confirmation of purchase (purchase receipt, or invoice).

The warranty claim will lapse if the equipment is interfered with in any way either by the purchaser himself or by any unauthorised third party. Damage due to improper handling, operation, storage as well as force majeure or to other outside factors of influence do not come under the warranty.
All other warranty claims by the purchaser are excluded unless founded on the wrongful intent, gross negligence or a particular assurance given by Deutsche Telekom AG.
In the event of warranty provided by our service agent, said agent will remedy the defects to the equipment acknowledged as under warranty obligation without charging additional expenses.
Freight and shipping costs for the cheapest return consignment within the Federal Republic of Germany will be borne by Deutsche Telekom AG.

Customer service

You have purchased a modern product by Deutsche Telekom AG that is subject to stringent quality inspections.
If you have any questions about the equipment please contact the service hotline on

0180/ 51 99 0

In the event of a fault - even after the warranty period - our service department or our personnel at the service point are at your disposal on

01171

Cleaning - when necessary

Simply wipe the telephone with a slightly damp cloth or anti-static pad. Never use a dry cloth.

Avoid the use of all polishes and abrasives.

General information

Recycling

The final ring - what actually happens to your telephone set when you're unable to use it any more?

It happens sooner or later: you replace your old telephone set with a new one, perhaps merely because your tastes have changed. Or perhaps because you want a wide range of user facilities - whatever the reason, the old set has to go. But what about the environment in all this? And recycling? Did you know that some 2000 tonnes of telephone materials accumulate each year? It's comforting to know that we are able not simply to make that pile of material disappear but to dispose of it in the most environmentally compatible way. So whether you've rented or bought your set, simply bring your old one back to us.

How do we do it?

We at Deutsche Telekom work closely with a company in which other companies in the telecommunications industry and the Preussag Group participate. The project is known as the "Recycling Initiative". The first stage is known as "pre-dismantling", when we take the old sets apart. All the individual parts that can still be used are recovered without further ado.
Next we separate materials into "plastics and electronics" - and then each of those categories goes its own way:
Plastics are comminuted and used to make new casings. Electronic components are broken down into the recyclable constituents "copper", "iron and steel" and "other metals", using complex yet environmentally friendly separating processes. The copper is made into new cables; metallurgical plants are only too pleased to get the iron and steel; and the so-called "other metals" are channelled back into the free market. By now, 80 per cent of all telephones have already been recycled.
So what's left? Well, approx. 20 per cent of so-called "residual substances", mainly non-separable plastics. One process used is environmentally compatible high-pressure gasification, forming a carbon/hydrogen compound which can be put to good use in chemical production methods.
What else can we do for our environment? Well, to simplify recycling and make it even more environmentally friendly, Deutsche Telekom has come up with a whole series of specifications for the manufacture of terminals which stipulate the use of environmentally friendly materials and involve simple dismantling procedures (segregation of materials by type). In this way we intend to reduce considerably the share of residual substances.
Deutsche Telekom is therefore already complying with the provisions of the future "Electronic Scrap Order", which will regulate by law the return, reuse and recycling of electrical equipment and electronic components.

Approvals

The telephone is approved by the German Federal Approvals Office for Telecommunications.

General type approval for terminal equipment for connecting to switched connections with analogue interconnection points.

CE labelling

This telephone complies with the requirements of the following EU Directives:

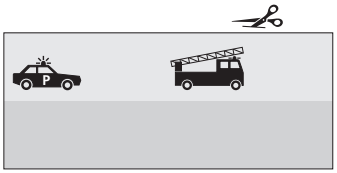
89/336/EWG "Electromagnetic Compatibility"
73/23/EWG "Electric Equipment for use within specific voltage limits"

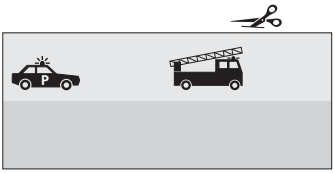
Compliance of the telephone with the aforementioned Directives is confirmed through the CE label.

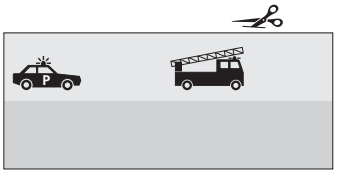
Technical Data

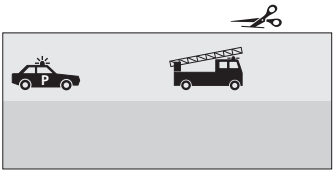
Standard:		DECT
Number of channels:		20 duplex channels
Frequencies:		1880 MHz to 1900 MHz
Duplex method:		time division multiplex, 10 ms frame length
Channel spacing:		1728 kHz
Bit rate:		1152 kbit/s
Modulation:		GFSK
Voice coding:		32 kbit/s ADPCM
Transmit output:		250mW peak value 10 mW, mean output per channel
Range:		up to 300 m outdoors, significantly less indoors
Power supply:		base station 220/230 V~/50 Hz (plug-in mains unit)
Base station power consumption:		9 VA
Operating time, handset (battery fully charged):		standby: approx. 40 hours talk time: approx. 5 hours
Admissible ambient conditions for operation:	Handset: Base station:	0° to 45 °C 5° to 40 °C
Admissible storage temperature:		-10 °C to +60 °C
Dialling method:		pulse dialling / DTMF
Signal key function:		earth / flash
Base station dimensions:		W / H / D = 129 x 37 x 180 mm
Handset dimensions:		L / W / H = 162 x 52 x 35 mm
Weight:		base station: 250 g handset: 165 g
Cable length:		connecting cord = 3 m mains unit cord = 3 m
Connecting plugs:		connecting cord: TAE 6F / TSV 6/4 mains unit cord: TSV 6/6 mains plug-in unit: euro-plug

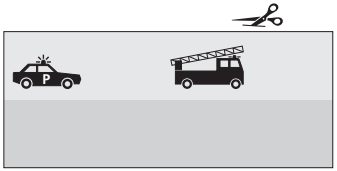
Write-on labels

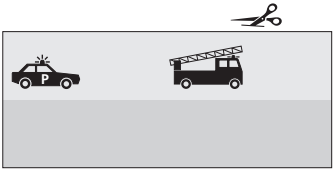








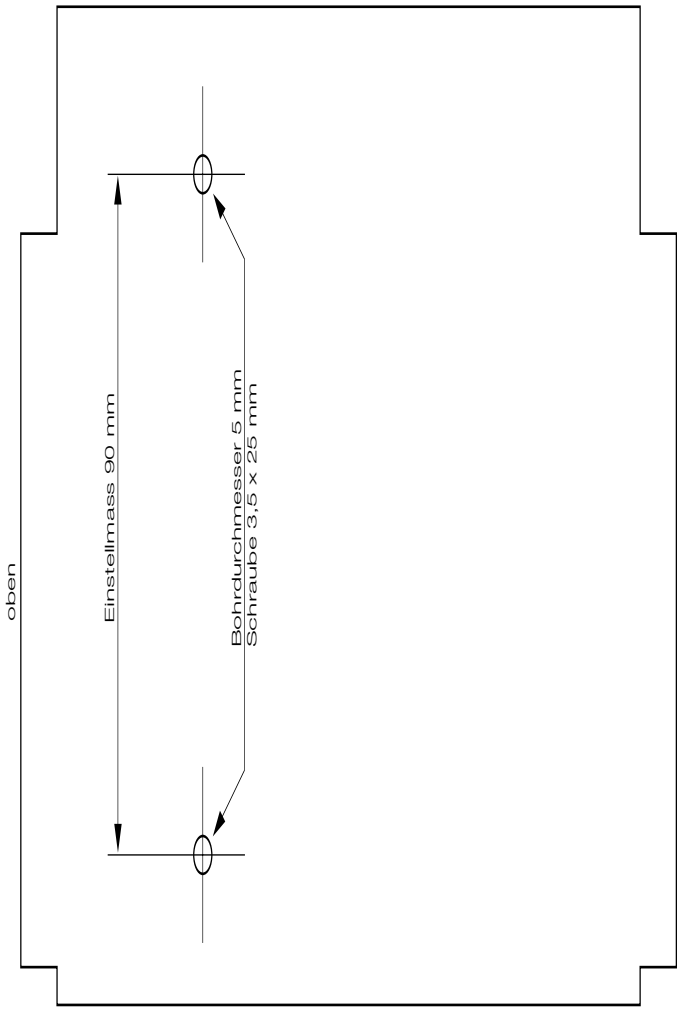




Notes

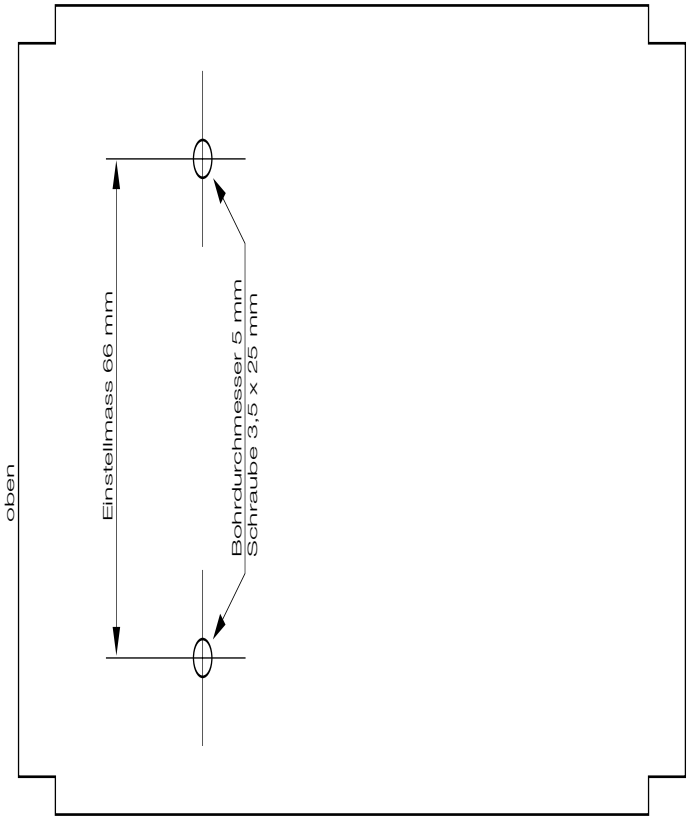
BOHRSCHABLONE

Basisstation



BOHRSCHABLONE

Ladestation



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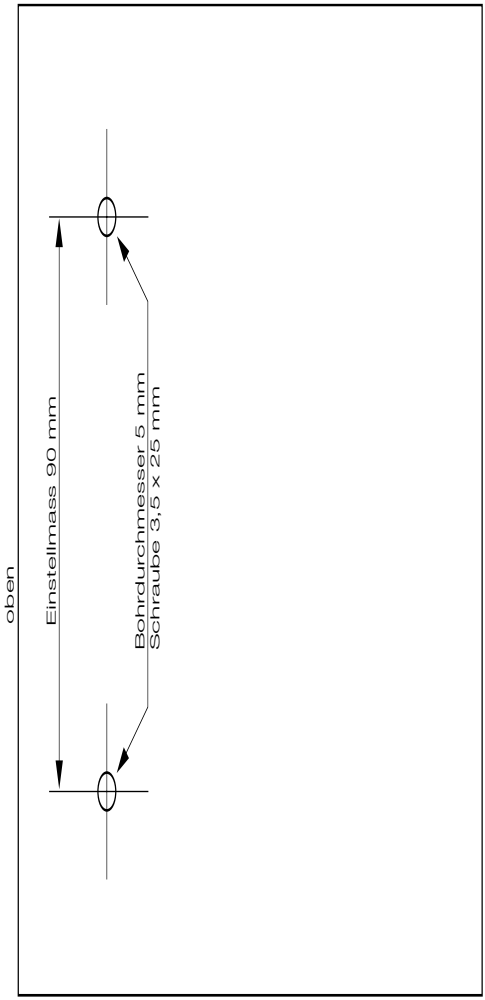
Funkrelais



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